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PLASMA TV

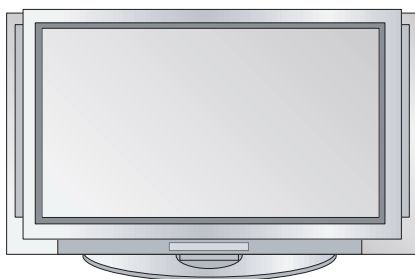
SERVICE MANUAL

CHASSIS : MF-056B

MODEL : 50PY2R
50PY2R-ZB

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by $\triangle$ in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by its Neck.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

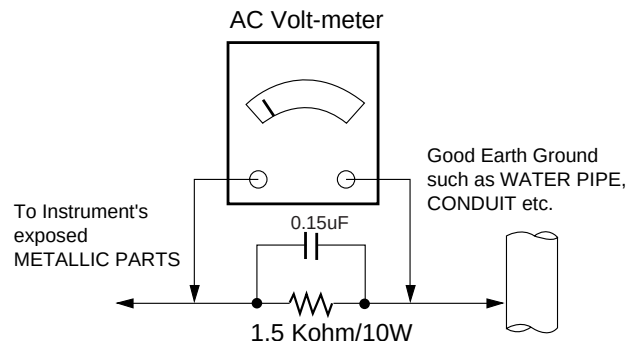
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

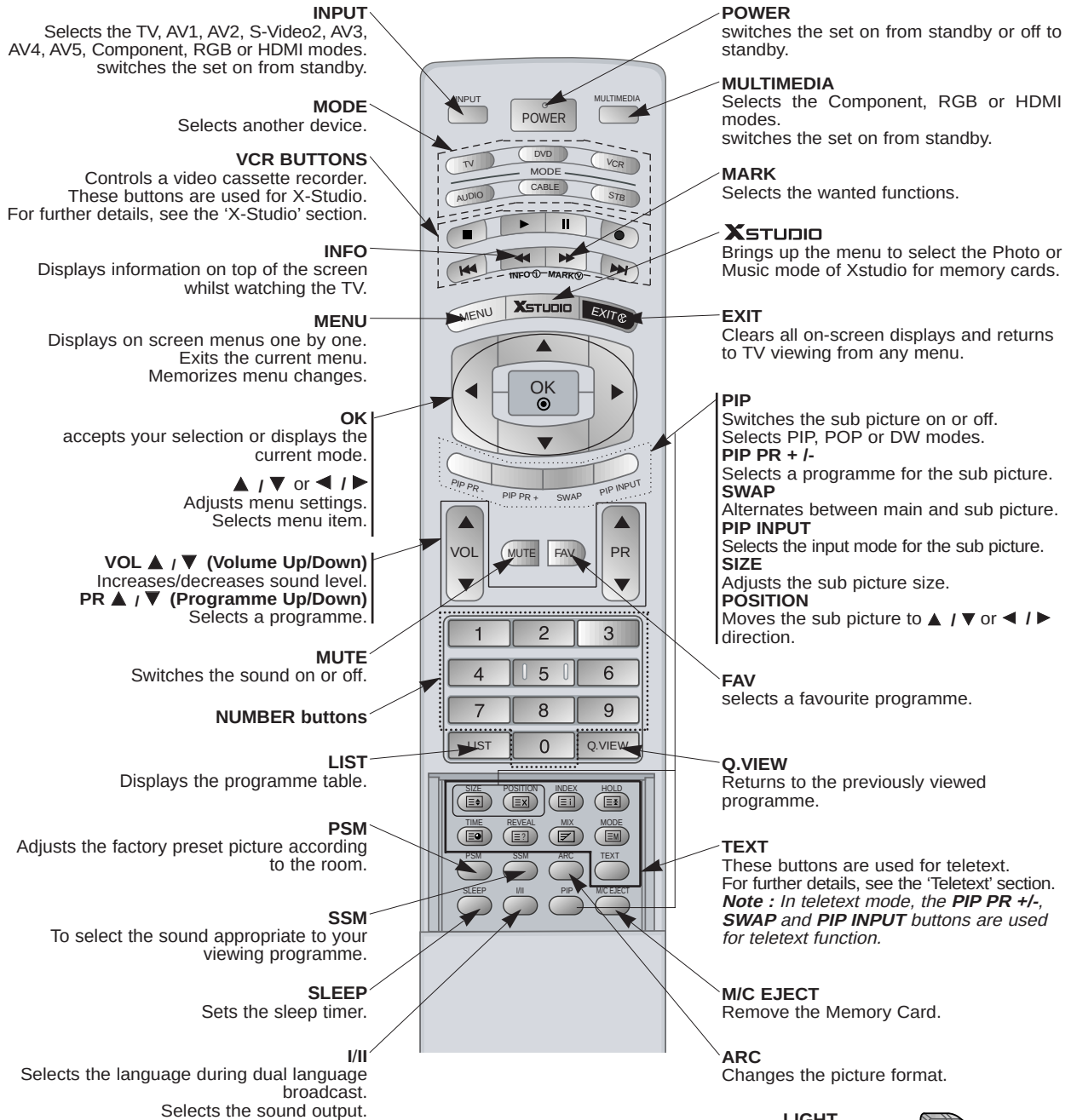
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

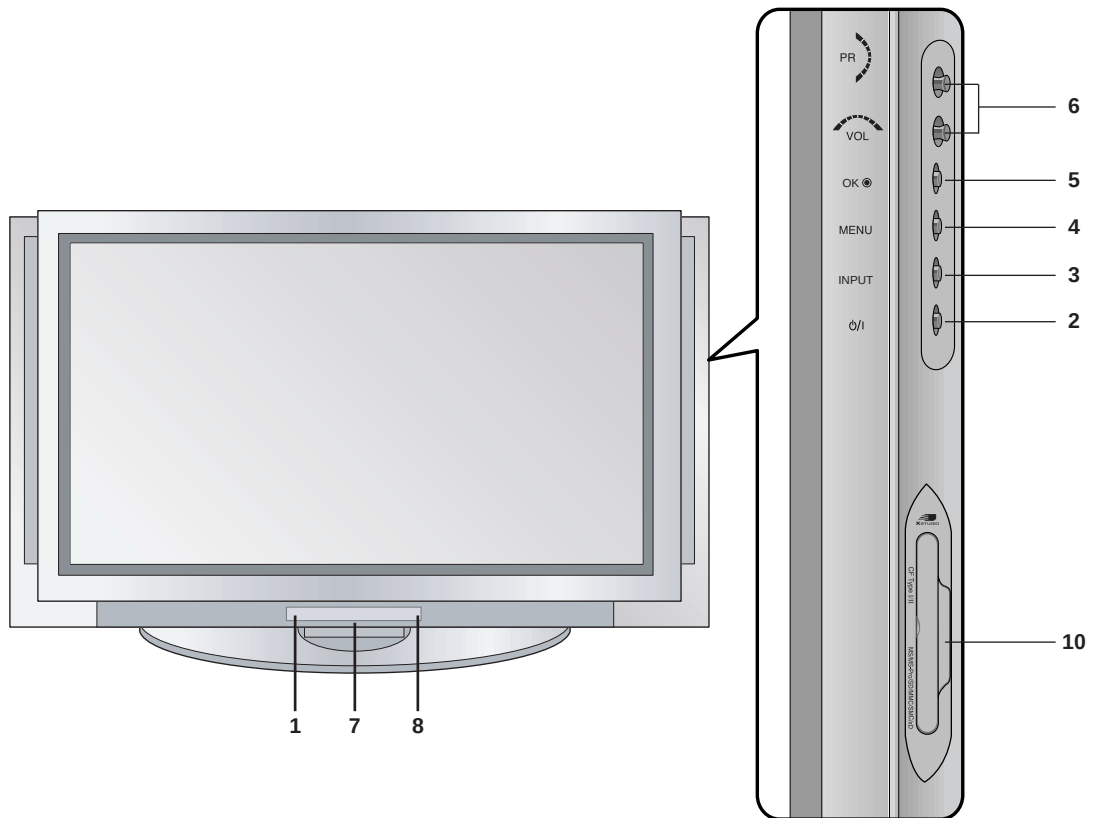
Leakage Current Hot Check circuit



DESCRIPTION OF CONTROLS

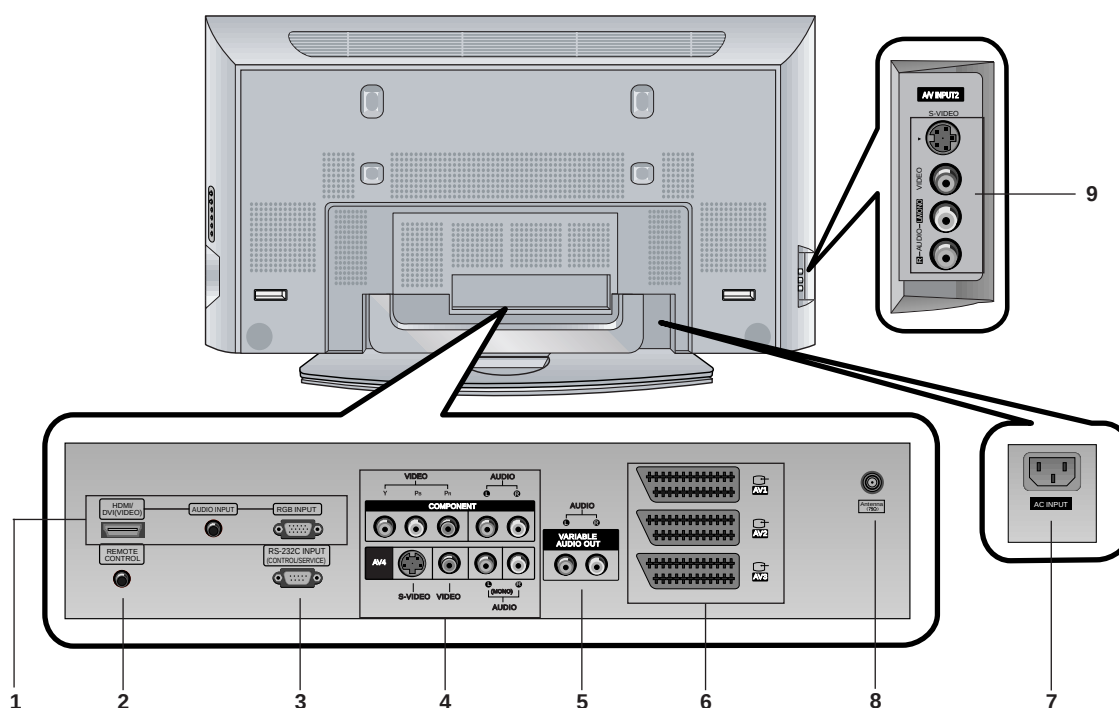


<Front Panel Controls>



1. **Remote Control Sensor**
2. **Power Button**
Switches the set on from standby or off to standby.
3. **INPUT Button**
Selects the TV, TV, AV1, AV2, S-Video2, AV3, AV4, AV5, Component, RGB or HDMI modes.
Switches the set on from standby.
4. **MENU**
Displays on screen menus one by one.
Exits the current menu.
Memorizes menu changes.
5. **OK**
Accepts your selection or displays the current mode.
6. **▲ / ▼ (Programme Up/Down)**
Selects a programme or a menu item.
Switches the set on from standby.
◀ / ▶ (Volume Up/Down)
Adjusts the volume.
Adjusts menu settings.
7. **INDEX**
Switches LED Display on or off.
8. **Power Indicator**
Illuminates red in standby mode, illuminates green when the set is turned on.
9. **Memory Card Slots 1, 2**

<Back Panel>



1. HDMI(DVI VIDEO) / AUDIO INPUT / RGB INPUT

Connect the monitor output socket of the PERSONAL COMPUTER, DVD or STB to this socket.

Note: If you want to use RGB/DVI audio, we strongly recommend that you use the cable that has a core, or the EMI Filter core along with separate cable.

2. REMOTE CONTROL

3. RS-232C INPUT(CONTROL/SERVICE) PORT

Connect to the RS-232C port on a PC.

4. COMPONENT INPUT

Connect DVD video outputs to Y, P_B, P_R of COMPONENT INPUT and audio outputs to Audio sockets of AUDIO INPUT.

AUDIO/VIDEO IN SOCKETS (AV4)

Connect the audio/video out sockets of external equipment to these sockets.

S-VIDEO/AUDIO IN SOCKETS

Connect the S-VIDEO out socket of an VCR to the S-VIDEO socket.

Connect the audio out sockets of the VCR to the audio sockets as in AV4.

5. VARIABLE AUDIO OUTPUT

6. EURO SCART SOCKET

Connect the euro scart socket of the VCR to these sockets.

Note:

a. If you want to use the EURO scart cable, you have to use the signal shielded Euro scart cable.

b. If the S-VIDEO(Y/C) signal is received through the Euro scart socket 2 (AV 2), you must change to the S-Video 2 (Y/C) mode.

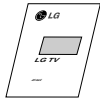
7. ANTENNA INPUT

8. POWER CORD SOCKET

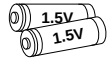
This Monitor operates on AC power. The voltage is indicated on the Specifications page. Never attempt to operate the set on DC power.

9. AUDIO/VIDEO INPUT (AV5) S-VIDEO/AUDIO IN SOCKETS

Accessories



Owner's Manual



Alkaline batteries



2-TV bracket bolts (option)
(or 50PY2R series: 4-TV bracket bolts)
(Only 60PY2R series : 6-Wall mounting bracket bolts)



Remote Control handset



Power Cord



2-Eye Bolts
(option)



2-Wall brackets
(option)



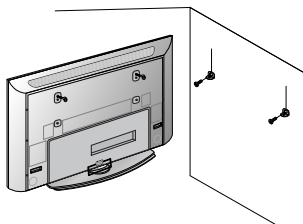
2-TV brackets
2-Wall brackets
(option)



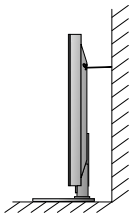
6-RING SPACER
(Only 60PY2R series)

Joining the set assembly to the wall to protect the set tumbling

- Secure the set assembly by joining it to a wall by using the TV (or Eye Bolts)/Wall brackets.



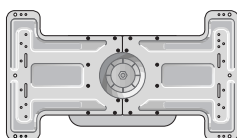
- If the set will be mounted on a desk top, insert the 2-Eye Bolts (or 2-TV bracket bolts with 2-TV brackets) and tighten them securely in the upper holes as shown.
(Only 50PY2R series: After removing the existing bolts, insert the 4-TV bracket bolts and tighten securely, in the holes on the bracket.)
Install the wall brackets on the wall with bolts, (not supplied with the product), as shown.
Match the height of the TV brackets (or Eye Bolts) and the wall brackets.
Check to be sure the brackets are tightened securely.



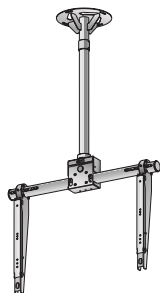
- Secure the TV assembly to the wall with strong strings or wound wire cables, (not supplied with the product), as shown.

Optional Extras

- Optional extras can be changed or modified for quality improvement without any notification new optional extras can be added.
- Contract your dealer for buying these items.



Tilt wall mounting bracket



Ceiling mounting bracket



Video cables



Audio cables

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

■ Application Range

This spec is applied to the 42"/50" PDP TV used MF-056B Chassis.

■ Specification

Each part is tested as below without special appointment.

- 1) Temperature : 25±5°C (77±9°F), CST : 40±5
- 2) Relative Humidity: 65±10%
- 3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)
* Standard Voltage of each product is marked by models.
- 4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
- 5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test Method

- 1) Performance : LGE TV test method followed.
- 2) Demanded other specification
Safety: CE, IEC specification
EMC : CE, IEC

Model Name	Market	Remark
50P2YR-ZB	EU	Safety : IEC/EN60065, EMI : EN55013, EMS : EN55020

■ General Specification

- Module Specification

No	Item	Specification	Remark
1	Display Screen Device	50 inch wide Color Display Module	PDP
2	Aspect Ratio	16:9	
3	PDP Module	PDP50X2A, RGB Closed Type	Maker : NBK/ Mitsui/ LG Chemical
4		45% Total light transmittance (E-Mesh)	
5	Operating Environment	1) Temp : 0~40 deg 2) Humidity : 0~85%	LGE SPEC
6	Storage Environment	1) Temp : -20~60 deg 2) Humidity : 0~85%	
7	Input Voltage	100-240V~, 50/60Hz	Maker : SONY/ Sanken

2. Model Specification

No	Item	Specification			Remark
1	Market	EU			
2	Broadcasting system	PAL B/G/I/D/K, NTSC			
3	Available Channel	BAND	PAL	NTSC	
		VHF/UHF	C1~C69	2~83	
		CATV	S1~S47	1~71	
4	Receiving system	Upper Heterodyne			
5	SCART Jack (3EA)	PAL, SECAM, NTSC			4 System : PAL, SECAM, NTSC, PAL60
6	Video Input (2EA)	PAL, SECAM, NTSC			5 System : PAL, SECAM, NTSC, PAL60
7	S-Video Input (3EA)	PAL, SECAM, NTSC			6 System : PAL, SECAM, NTSC, PAL60
8	Component Input (2EA)	Y/Cb/Cr, Y/Pb/Pr			
9	RGB Input(1EA)	RGB-PC, RGB-DTV			
10	HDMI Input(1EA)	HDMI-PC HDMI-DTV			
11	Audio Input(4EA)	PC Audio, Component(1EA), AV(2EA)			L/R Input
12	Wired Control(1EA)				
13	Audio variable out(1EA)				

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions apply to the MF-056B Chassis.

2. Specification

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
- (2) Adjustment must be done in the correct order.
- (3) The adjustment must be performed in the circumstance of $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver must keep 100-220V, 50/60Hz.
- (5) The receiver must be operated for about 15 minutes prior to the adjustment.

- After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.
- Enter into HEAT-RUN MODE
 - 1) Press the POWER ON KEY on R/C for adjustment.
 - 2) OSD display and screen display 100% full WHITE PATTERN.

- * Set is activated HEAT-RUN without signal generator in this mode.
- * Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check PANEL.

Caution) If you turn on a still screen more than 20 minutes (Especially digital pattern, cross hatch pattern), after image may be occur in the black level part of the screen.

3. Channel memory

3-1. Setting up the LGIDS

- 1) Install the LGIDS. (idsinst.exe)
- 2) After installation, restart your PC.
- 3) Extract [files.zip] to folder [c:\LGIDS\files].
- 4) Start LGIDS.



(Fig. 1)

3-2. Channel memory Method

- 1) Select "PDP" and "Hurricane" on Model dialog. And check your connection in Communication dialog. (If your connection is 'NG', then set your PORT(COM1,2,3,...) correctly.)
- 2) Connect RS-232C cable and turn on the power. (If your connection has completed, you can see "Ready".)

* If your set is not an end products but only a board, you have to make your board to Stand-by state (LED_R). And you have to Download in Stand_by power state.



(Fig. 2)

- 3) Select proper CH_memory file(*.nvm) for each model at [NVRAM Download] → [Write Batch]
Next, select proper binary file(*.bin) including the CH information for each model at [NVRAM File].
- 4) Click the [Download] button.
It means the completion of the CH memory download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window.
- 5) If you want to check whether the CH information is memorized correctly or not, click the [Verify] button.
And then compare NVRAM File(*.bin) with the CH information downloaded.

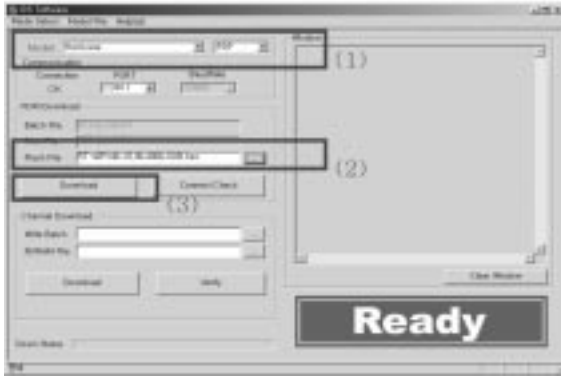


(Fig. 3)

3-3 Sub program download

- 1) Select "PDP" and "Hurricane" on Model dialog. And check your connection in Communication dialog. (If your connection is 'NG', then set your PORT(COM1,2,3,...) correctly.)

- 2) Connect RS-232C cable and turn on the power. (Use the special Cable For Sub-program) (If your connection has completed, you can see "Ready")
- 3) Select proper 'Model' for each model.
- 4) Select 'flash file' for each model.
- 5) Click the [download] button
It means the completion of the ROM download if all item show 'OK' and Status is changed by 'PASS' at the lower right corner of the window.



(Fig. 4)

Each PCB assembly must be checked by check JIG set.
(Because power PCB Assembly damages to PDP Module, especially be careful)

4. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage Adjustments)

4-1. Test Equipment : D.M.M. 1EA

4-2. Connection Diagram for Measuring : refer to fig.5

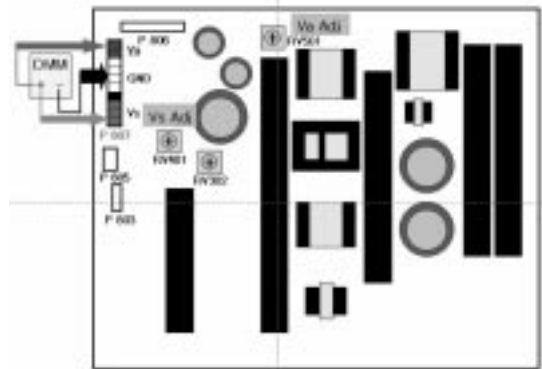
4-3. Adjustment Method

(1) Va Adjustment

- 1) After receiving 100% Full White Pattern, HEAT RUN.
- 2) Connect + terminal of D.M.M to Va pin of P807, connect - terminal to GND pin of P807.
- 3) After turning RV501, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P807, connect - terminal to GND pin of P805.
- 2) After turning RV401, voltage of D.M.M adjustment as same as Vs voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)



(Fig. 5) Connection diagram of power adjustment for measuring

5. EDID (The Extended Display Identification Data)/ DDC (Display Data Channel) download

5-1. Required Test Equipment

- 1) Adjusting PC with S/W for writing EDID Data.(S/W : EDID TESTER Ver.2.5)
- 2) A Jig for EDID Download
- 3) Cable : Serial(9Pin or USB) to D-sub 15Pin cable, D-sub 15Pin cable, DVI to HDMI cable

5-2. Setting of device



(Fig. 6) Connection Diagram of DDC download

5-3. Preparation for Adjustment

- 1) As above Fig. 6, Connect the Set, EDID Download Jig, PC & Cable.
- 2) Turn on the PC & EDID Download Jig. And Execute the S/W : EDID TESTER Ver,2.5
- 3) Set up S/W option

Repeat Number : 5
Device Address : A0
PageByte : 8



- 4) Power on the Set

5.4. Sequence of Adjustment

(1) DDC data of Analog-RGB

- 1) Init the data



- 2) Load the EDID data.(Open File)
[Analog(RGB) : H2_VGA_XGA_RGB(2B52).ANA]
- for VGA,XGA
[Digital(HDMI) : H2_VGA_HDMI(CB50).DVI] - for VGA
[Digital(HDMI) : H2_XGA_HDMI(0F0F).DVI] - for XGA
- 3) Set the S/W as below.
- 4) Push the "Write Data & Verify" button. And confirm "Yes".
- 5) If the writing is finished, you will see the "OK" message.

6. Auto AV(CVBS) Color Balance

6-1. Required

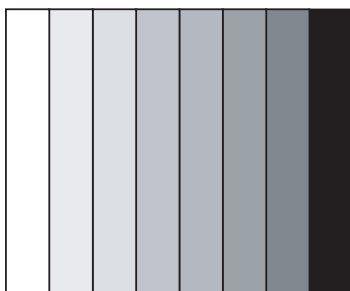
- This AV color balance adjustment should be performed before white Balance Adjustment

6-2. Required Equipment

- 1) Remote controller for adjustment
- 2) AV Pattern Generator
: 802F Pattern Generator, Master(MSPG-925FA), etc
(Which has PAL Composite Video format output with standard(1.0 Vpp) Vertical 100% Color Bar Pattern as Fig 7)

6-3. Method of Auto Color Balance

- 1) Input the PAL Composite Video (Fig7. 100% Color Bar Pattern) into video input.
- 2) Set the PSM to Standard mode in Picture menu.
- 3) Press INSTAR key on R/C for adjustment.
- 4) Press the ►(Vol. +) key operate to set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



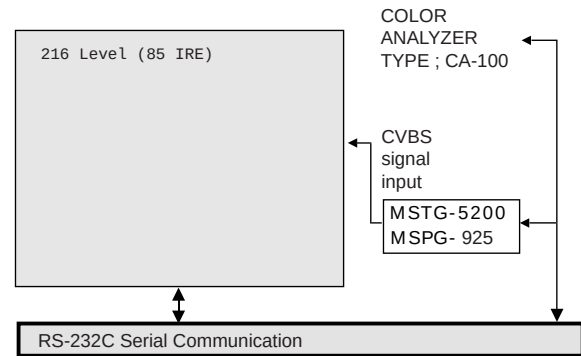
(Fig. 7) Auto AV(CVBS) Color Balance Test Pattern

7. Adjustment of White Balance

7-1. Required Equipment

- 1) Remote controller for adjustment
- 2) Color Analyzer (CA-100 or same product)
- 3) Auto W/B adjustment instrument(only for auto adjustment)
- 4) AV Pattern Generator

7-2. Connecting diagram of equipment for measuring (For Auto Adjustment)



(Fig. 8) Connection Diagram of Auto W/B adjustment

◆ Auto adjustment Map(RS-232C)

Type		MF-056A/ MF-056B/ MF-056C				
Baud Rate		Data bit		Stop bit	Parity	
115200		8		1	NONE	
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R Gain	j	a		00(00)	255(FF)
	G Gain	j	b		00(00)	255(FF)
	B Gain	j	c		00(00)	255(FF)
	R Offset	j	d		00(00)	255(FF)
	G Offset	j	e		00(00)	255(FF)
	B Offset	j	f		00(00)	255(FF)

7-3. Adjustment of White Balance

- Operate the zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
- For manual adjustment, it is also possible by the following sequence.

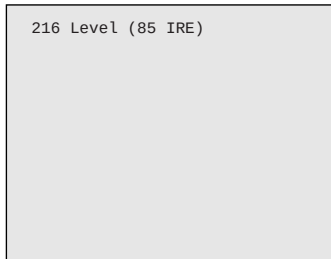
- 1) Select white pattern of heat-run mode by pressing power on key on remote control for adjustment then operate heat run more than 15 minutes.
- 2) As below Fig.9, Supply 216Level (85 IRE) full screen pattern to Video input.
- 3) Press the TV/AV KEY on R/C for converting input mode.
- 4) Set the PSM to Standard mode in Picture menu.
- 5) Enter the White Balance adjustment mode by pressing the INSTAR key twice(White Balance) on R/C.
- 6) Stick sensor to center of the screen and select each items (Red/Green/Blue Gain and offset) using ▲ / ▼(CH +/-) key on R/C.

7) Adjust Only High Light with R Gain/ B Gain using ◀ / ▶ (VOL+/-) key on R/C.

8) Adjust it until color coordination becomes as below.
(Initially, R/G/B gain and R/G/B offset values are fixed as below)

Red Gain : 82, Green Gain : 80, Blue Gain : 86
Red Offset : 7D, Green Offset : 7E, Blue Offset : 80

Bright : High Light : $80 \pm 20 \text{cd/m}^2$
Color-Coordinate : High Light : X : 0.287 ± 0.003
Y : 0.291 ± 0.003
Color Temperature : $9,300^\circ\text{K} \pm 500^\circ\text{K}$



(Fig. 9) Pattern for Adjustment of White Balance

9) When adjustment is completed, Exit adjustment mode using EXIT key on R/C

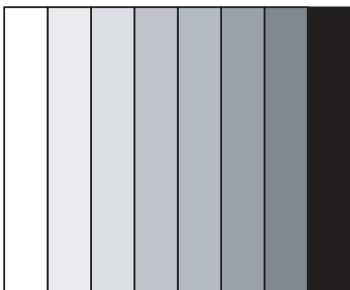
8. Auto Component Color Balance

8-1. Requirement

- It is Very import to use correct adjustment pattern like Fig10.
 - Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK
(If color sequence is reversed(Black ->...-> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
 - If Minimum Black Level and/ or Maximum Whit Level is not correct, Select 100% Color Bar pattern.

8-2. Required Test Equipment

- 1) Remote controller for adjustment
- 2) 802F Pattern Generator
(Which has 720p Ypbpr output with Standard (0.7Vpp) Vertical 100% Color Bar Pattern as Fig.10)



(Fig. 10) Auto Component Color Balance Test Pattern

8-3. Method of Auto Component Color Balance

- 1) Input the Component 720p 100% Color Bar signal into Component1 or Component2.
- 2) Set the PSM to Standard mode in Picture menu.
- 3) Press INSTART key on R/C for adjustment.
- 4) Press the ▶(Vol. +) key operate To set, then it becomes automatically.
- 5) Auto-RGB OK means complete adjustment

9. Auto RGB Color Balance

9-1. Requirement

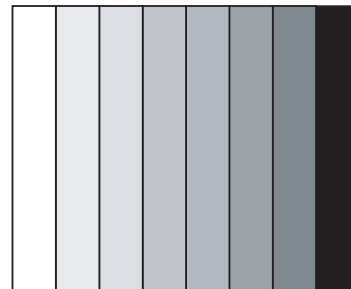
- It is very import to use correct adjustment pattern like Fig11
 - Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK
(If color sequence is reversed(Black ->...-> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
 - If Minimum Black Level and/ or Maximum Whit Level is not correct, Select 100% Color Bar pattern.

9-2. Required Test Equipment

- 1) Remote controller for adjustment
- 2) 802F Pattern Generator, Master (MSPG-925FA), etc.
(Which has XGA 60Hz PC Format output with standard (0.7Vpp) horizontal black and white pattern as Fig.11)

9-3. Method of Auto RGB Color Balance

- 1) Input the PC 1024x768 60Hz horizontal black and white pattern into RGB.
- 2) Set the PSM to Standard mode in Picture menu.
- 3) Press ADJ key on R/C for adjustment.
- 4) Press the ▶(Vol. +) key operate To set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



(Fig. 11) Auto RGB Color Balance Test Pattern

9. Default Value in Adjustment mode

9-1. Auto Color Balance (Component/RGB)

Auto Color Balance(HEX)		
Auto-RGB	▶	To Set
Source		Cortez
Red	Offset1	22
Green	Offset1	24
Blue	Offset1	23
Red	Offset2	45
Green	Offset2	43
Blue	Offset2	37
Red	Gain	14
Green	Gain	31
Blue	Gain	11
Reset	▶	To Set

(Fig. 12) Default Value on OSD

9-2. White Balance

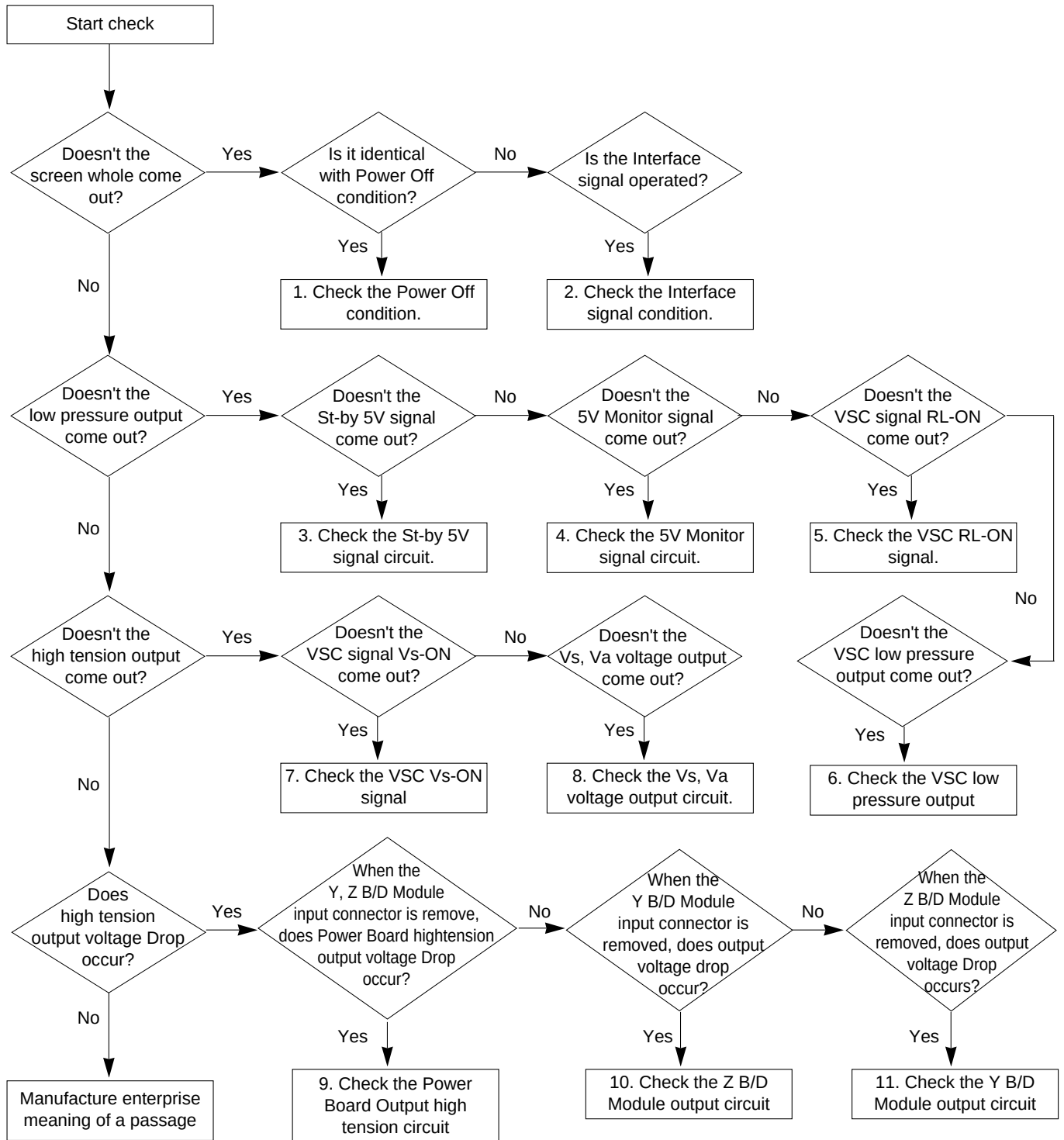
White Balance(Hex)		
Red	Gain	82
Red	Offset	80
Green	Gain	86
Green	Offset	7D
Blue	Gain	7E
Blue	Offset	80
Reset	▶	To Set

(Fig. 13) Default Value on OSD

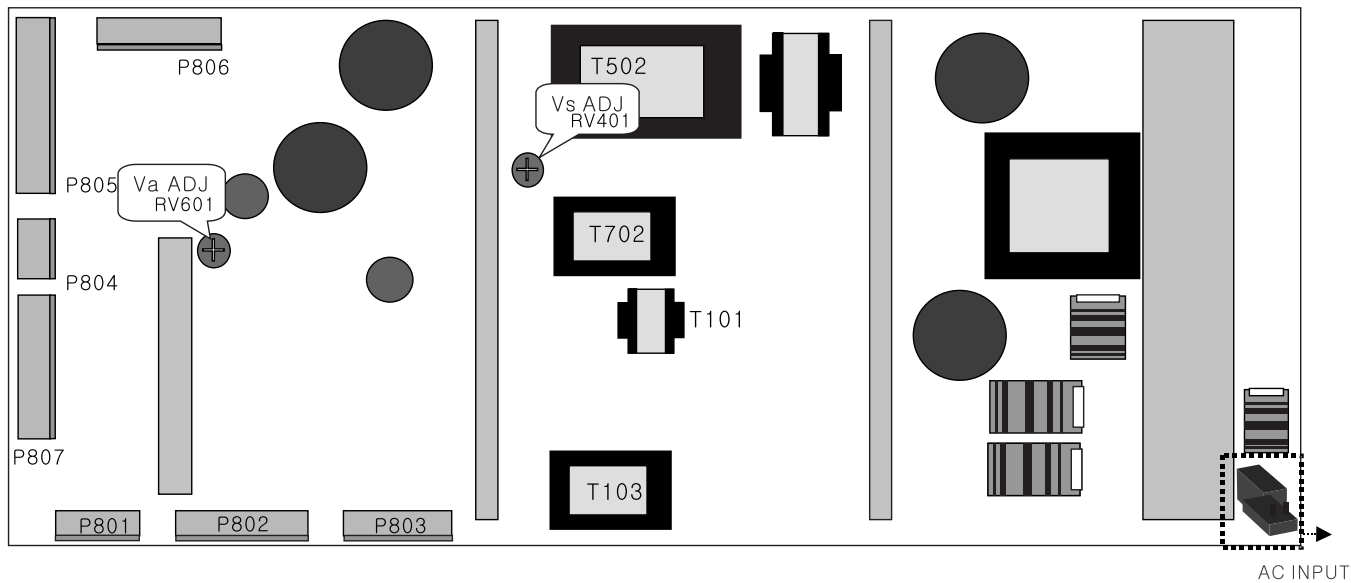
TROUBLE SHOOTING GUIDE

1. Power Board

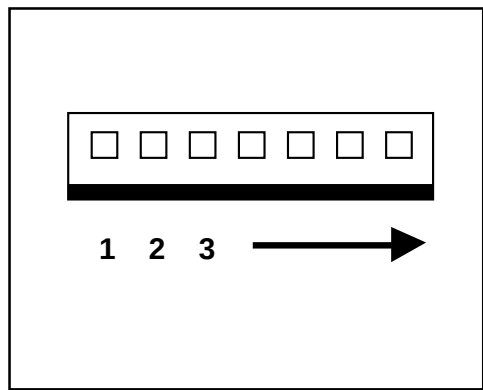
1-1. The whole flowchart which it follows in voltage output state



1-2. Sony Power Board Structure

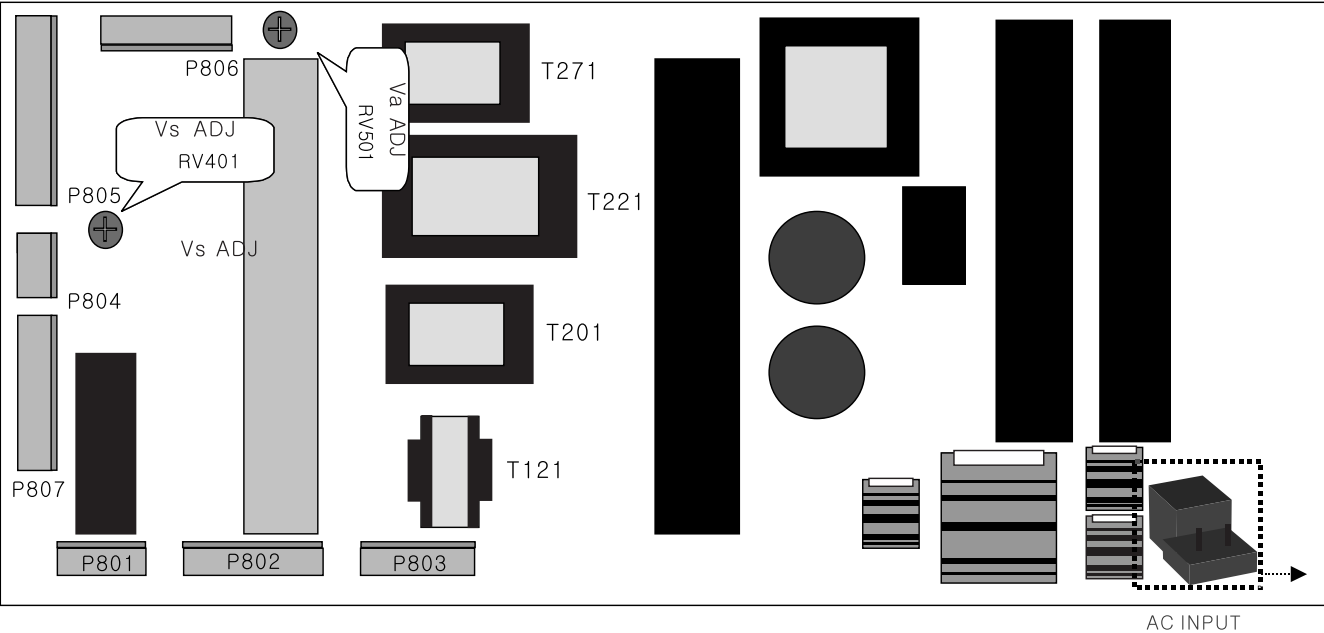


PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	25V	25V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				

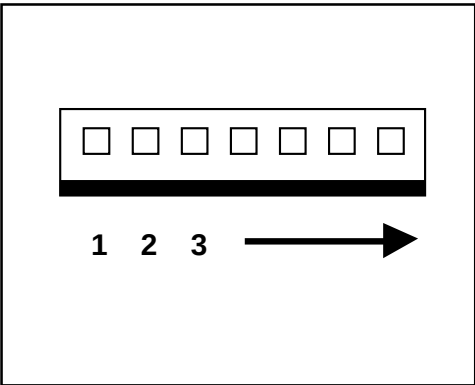


- T502: Vs Trans
- T702: Va Trans
- T101: St-by Trans
- T103: Low Voltage Trans

1-3. Sanken, LGIT Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	NC	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		

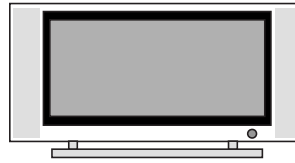


- T221: Vs Trans
- T271: Va Trans
- T121: St-by Trans
- T201: Low Voltage Trans

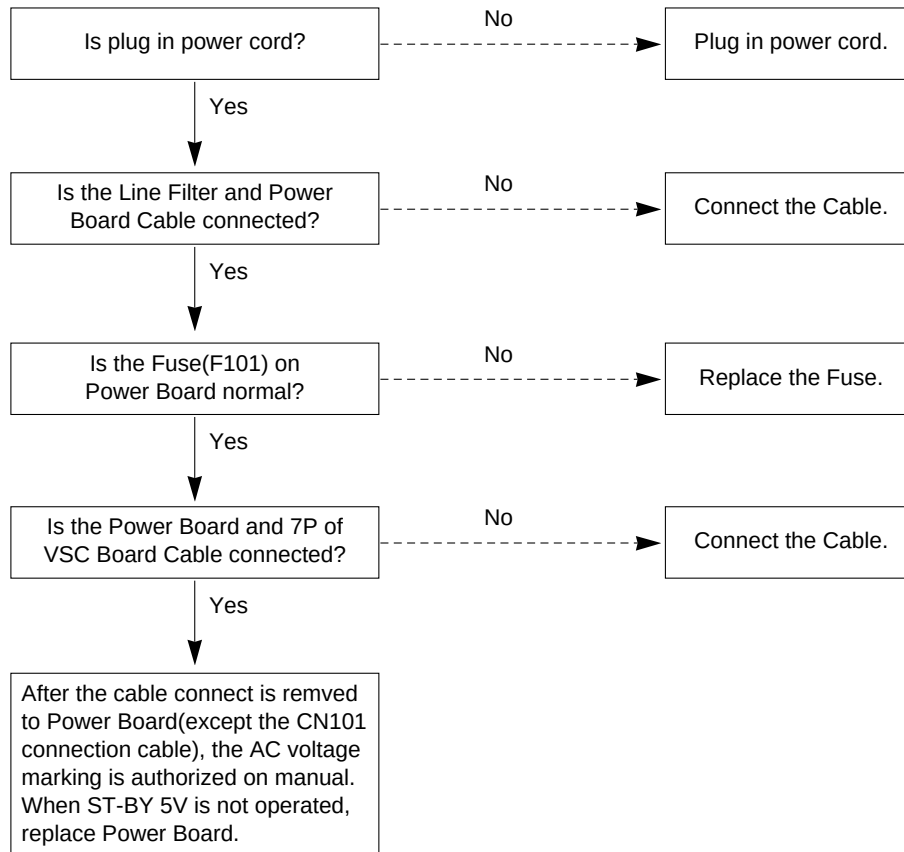
2. No Power

(1) Symptom

- Does't minute discharge at module.
- Non does not come in into the front LED.



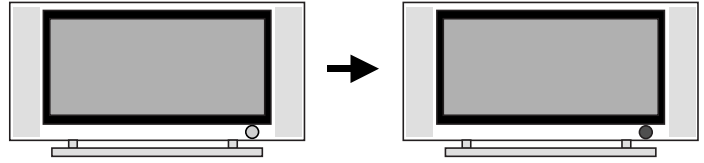
(2) Check following



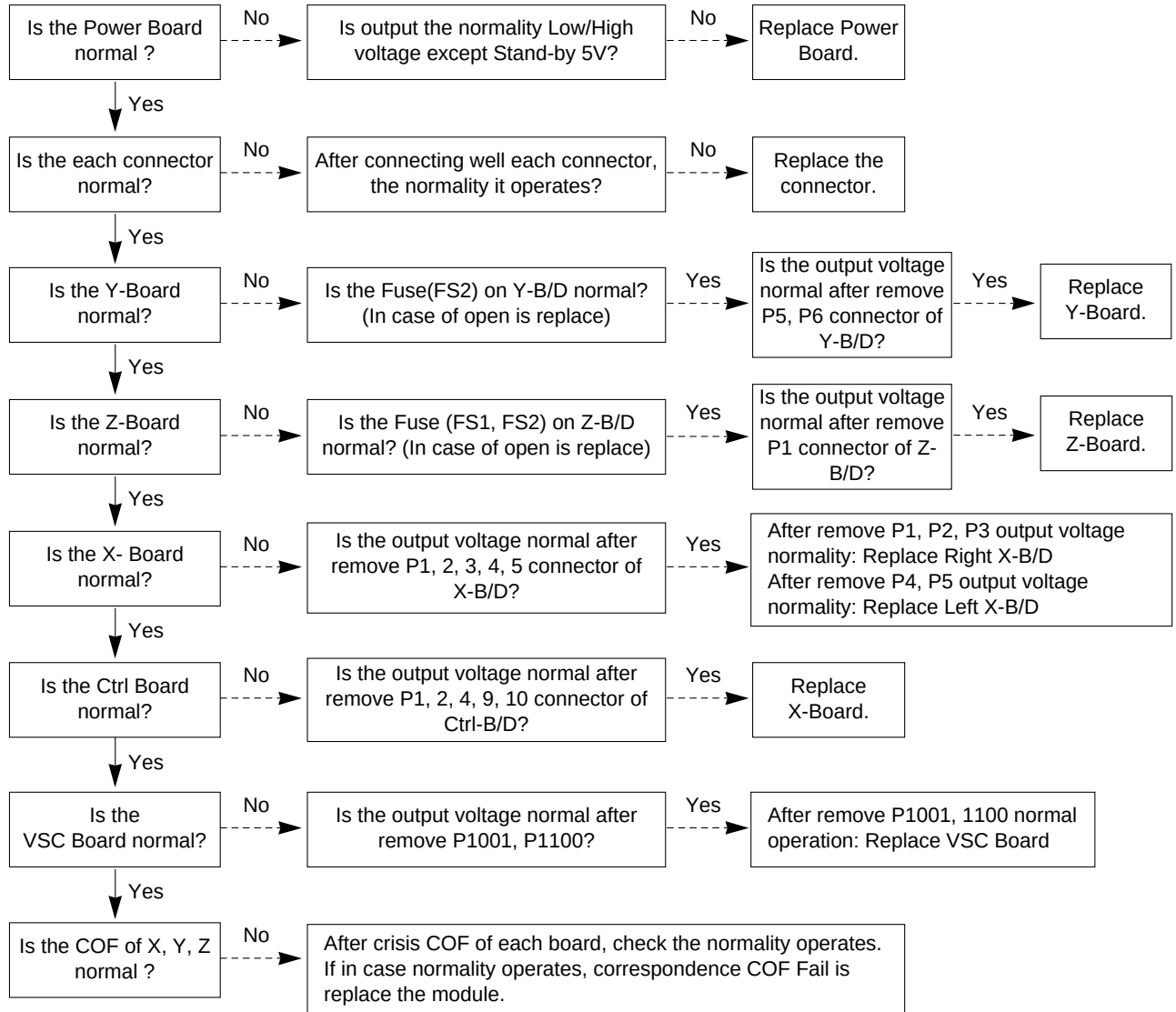
3. Protect Mode

(1) Symptom

- After once shining, it does not discharge minutely from module
- The Relay falls(The sound is audible “click”)
- It is converted with the color where the front LED is red from green.



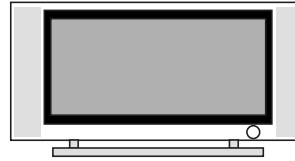
(2) Check following



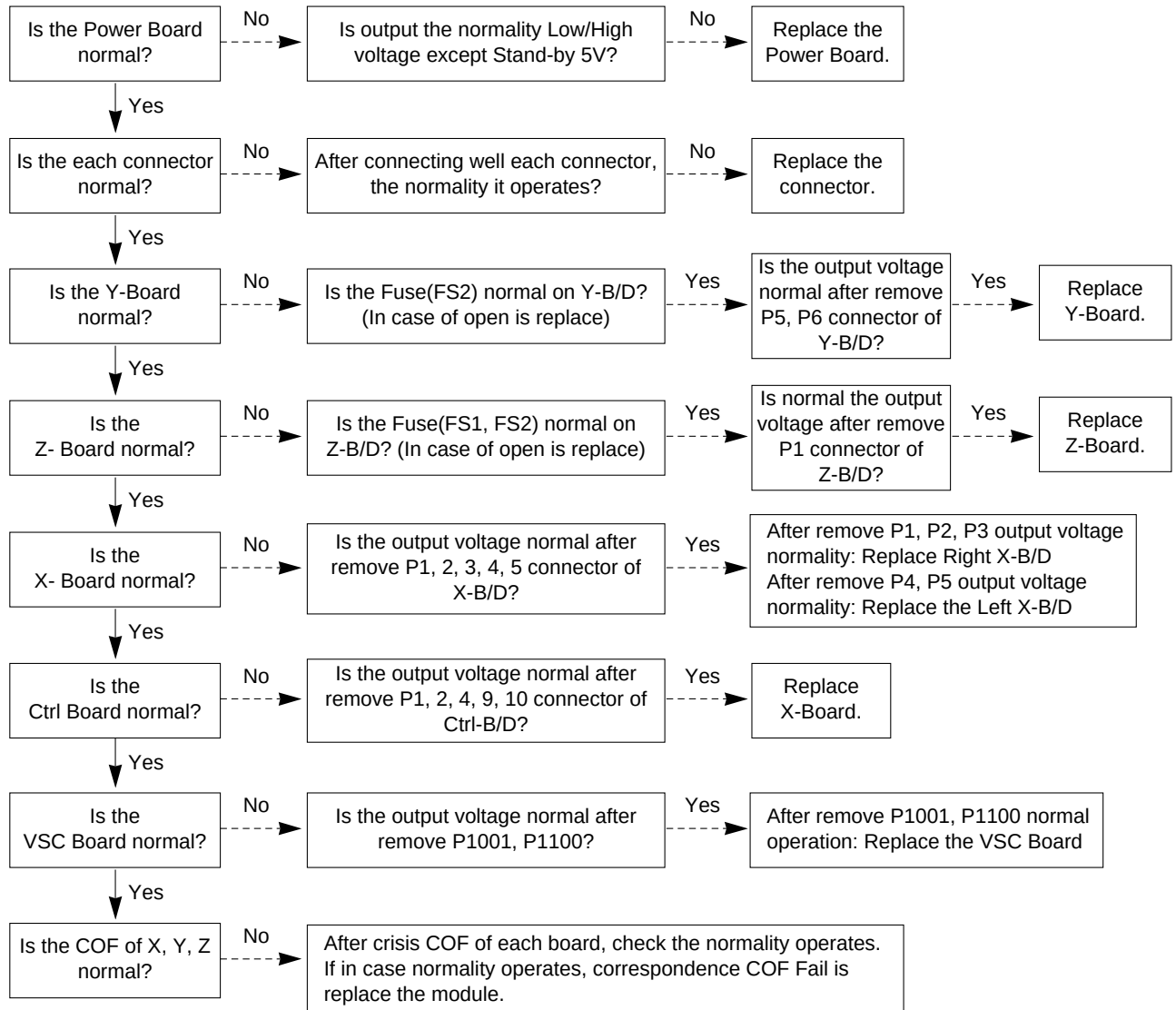
4. No Raster

(1) Symptom

- Does't minute discharge at module.
- It maintains the condition where the front LED is green.



(2) Check following

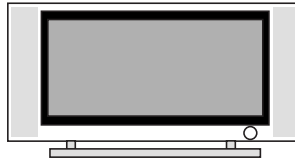


5. In case of occurring strange screen into specific mode

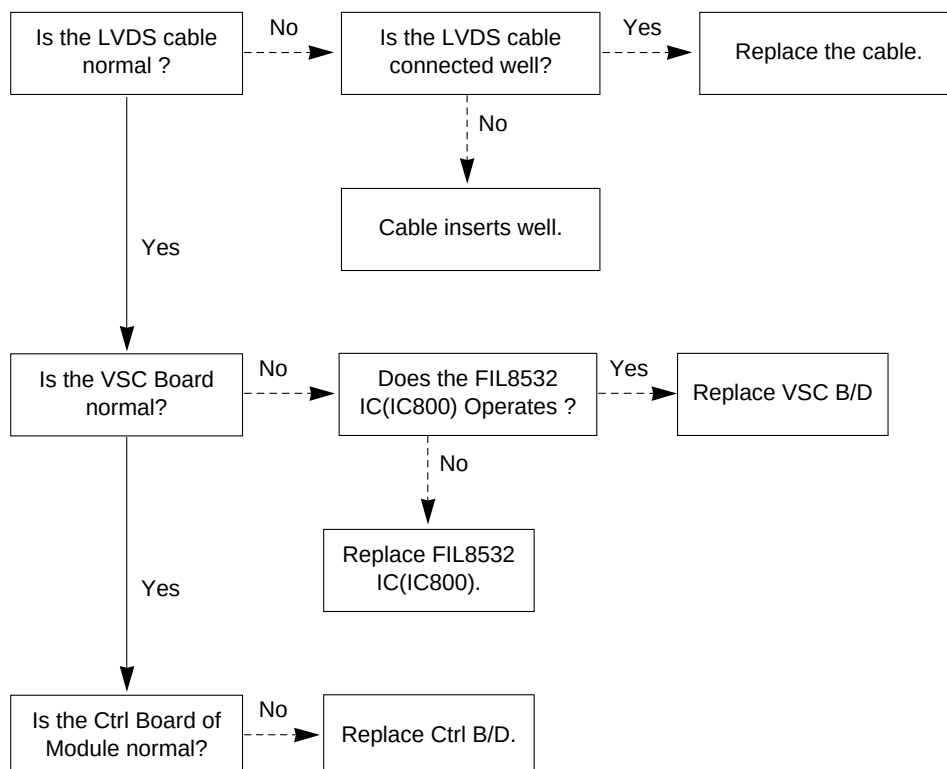
5-1. In case the OSD does not displayed

(1) Symptom

- LED is green
- The minute discharged continuously becomes accomplished from module



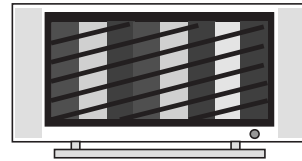
(2) Check following



5-2. In case of doesn't display the screen into specific mode

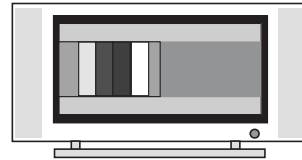
(1) Symptom

- The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).

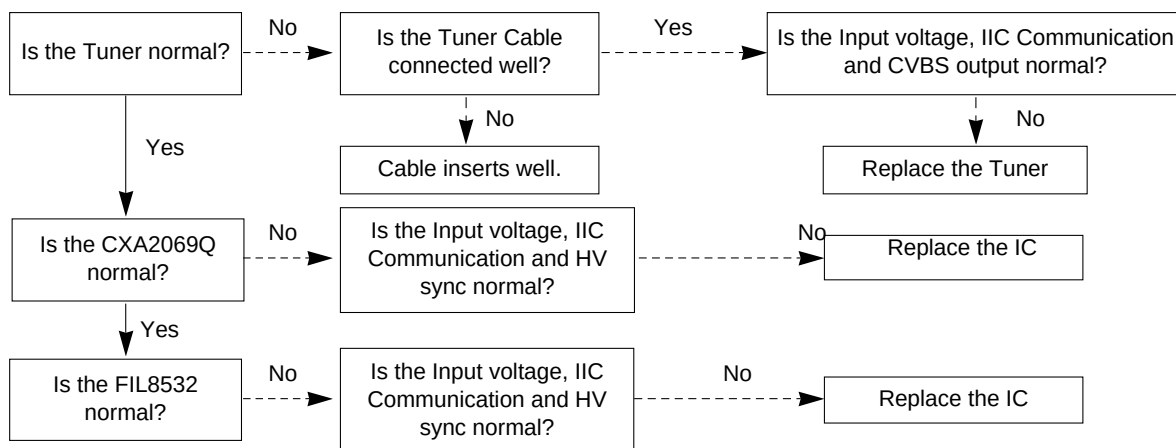


(2) Check following

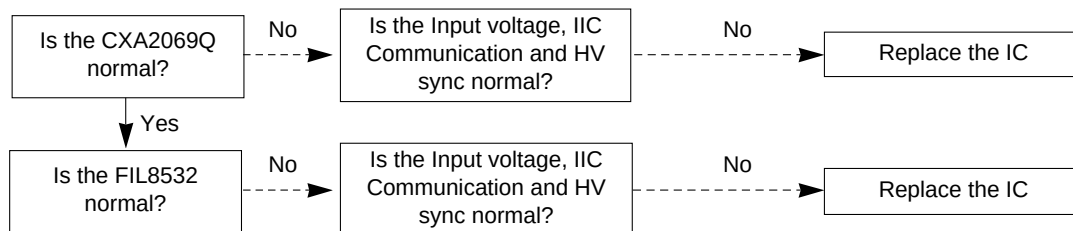
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



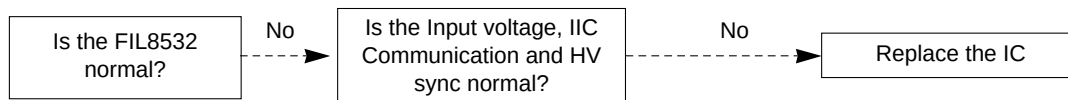
(3) In case of becomes unusual display from RF mode



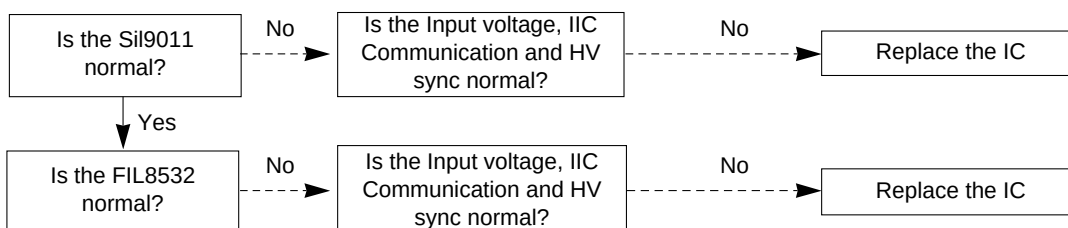
(4) In the case of becomes unusual display from RF, AV mode



(5) In the case of becomes unusual display from Component, RGB mode



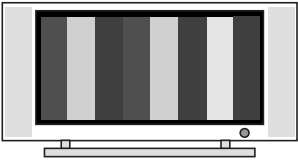
(6) In the case of becomes unusual display from HDMI mode



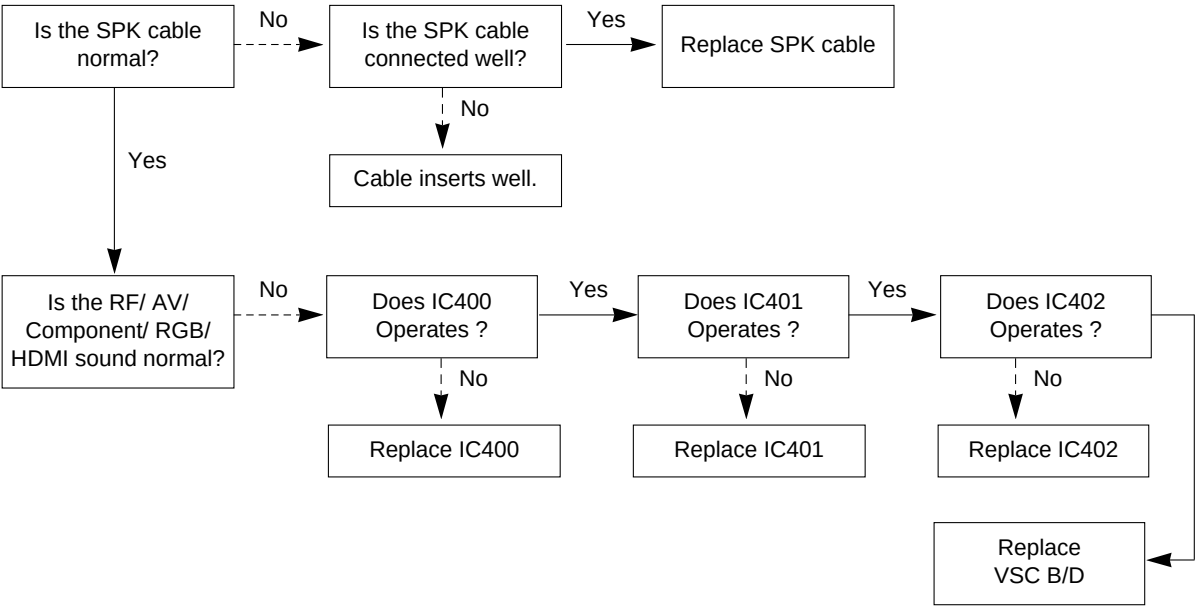
6. In case of no sound

(1) Symptom

- LED is green
- Screen display but sound is not output



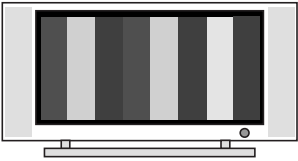
(2) Check following



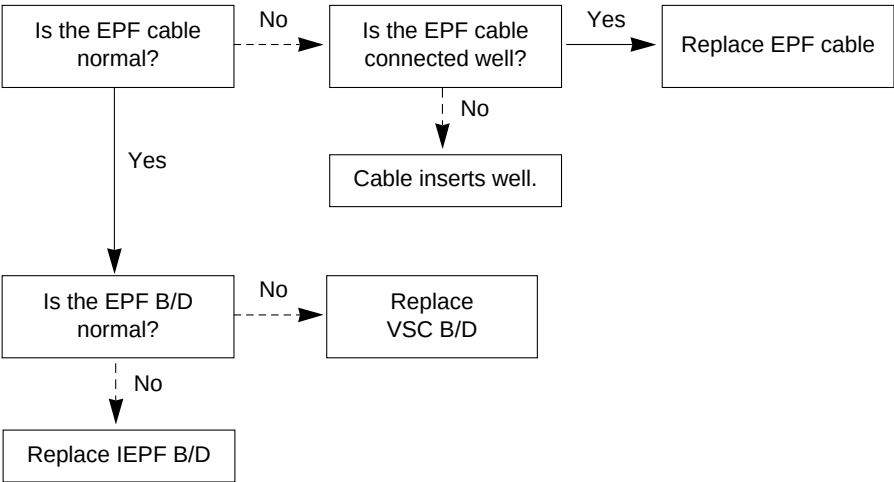
7. In case of no normal XSTUDIO

(1) Symptom

- LED is green
- Don't enter EPF mode
- Screen display but sound is not output

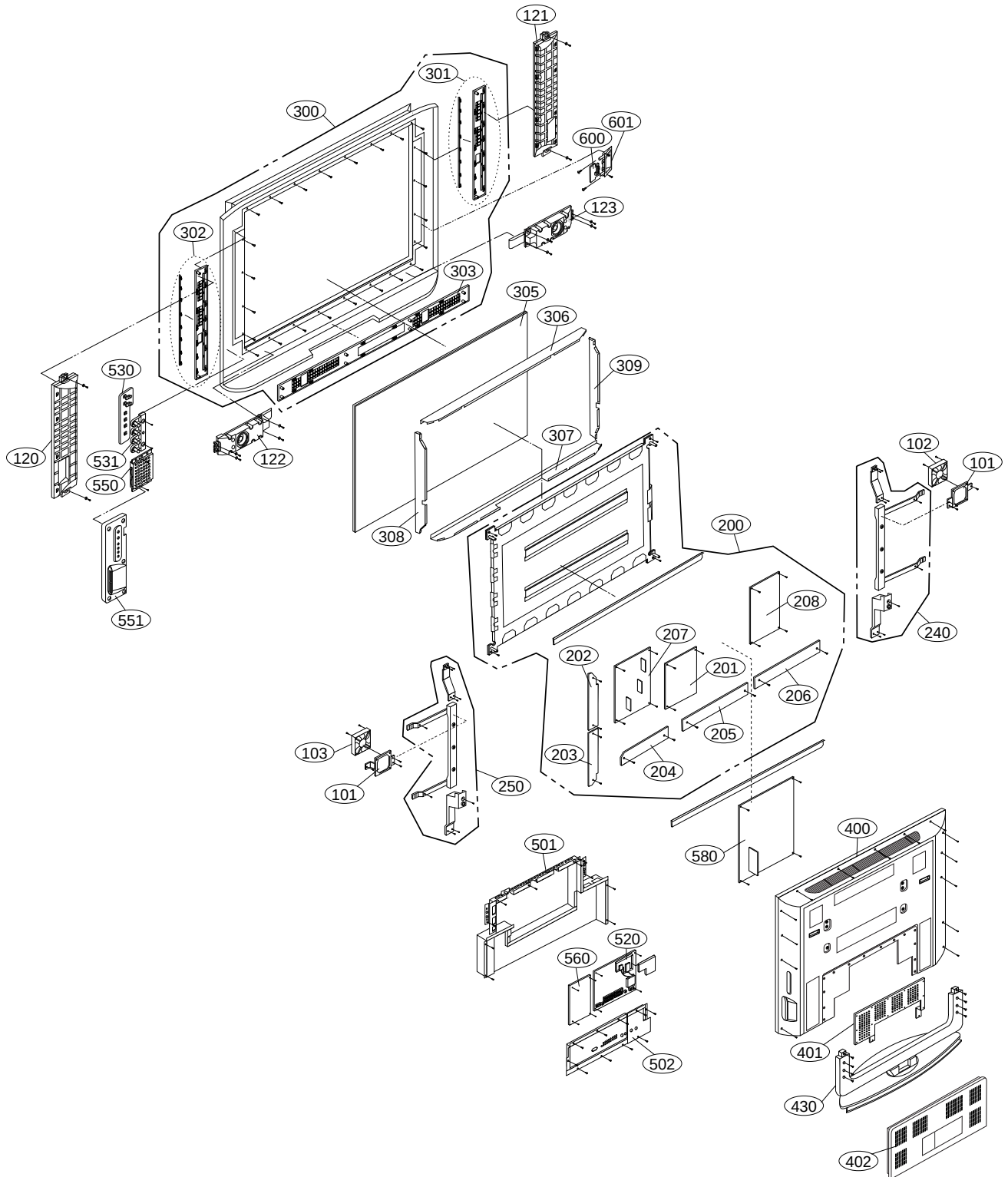


(2) Check following



The block diagram illustrates the system architecture of the TDA19850, centered around a Cortex processor and several specialized ICs. The Cortex is connected to SAMSUNG DDRAM (128MB) and ATME1 F-ROM (2MB) via bidirectional buses. It interfaces with the HUDSON IC for video processing, receiving VGA_RGB and TXD signals and outputting RXD and COMP1/2_Y/Pb/Pr. The HUDSON also handles EPF_Data and EPF_Data (B DATA). The Cortex controls the MSP4410K S/W & CONTROL, which manages TV_L/R OUT, PC_Audio_L/R, AM_Audio / S IF, COMP1.2_RIN/LIN, AV_LR, and HDMI_L/R. The MSP4410K outputs Variable_audio_out L/R to the TAS5122 Digital Amp. The TAS5122 drives L_SPK_OUT and R_SPK_OUT. The NSP6241B PWM IC receives L_CH and R_CH signals and outputs L_SPK_OUT and R_SPK_OUT. The CXA2069Q Switch IC is the central hub for video and audio, receiving TU_MAIN, TU_SUB, MNT_OUT, YCIN4, AVIN4, and YCIN5. It outputs TV_L/R OUT, PC_Audio_L/R, AM_Audio / S IF, COMP1.2_RIN/LIN, AV_LR, and HDMI_L/R. The CXA2069Q also interfaces with the TAS5122 and NSP6241B. The HUDSON and CXA2069Q are connected via SUB_V or Y/C OUT and MAIN_V or Y/C OUT. The HUDSON also handles COMP1_Y/Pb/Pr and COMP2_Y/Pb/Pr. The CXA2069Q outputs TV_L/R OUT, PC_Audio_L/R, AM_Audio / S IF, COMP1.2_RIN/LIN, AV_LR, and HDMI_L/R. The CXA2069Q also interfaces with the TAS5122 and NSP6241B. The HUDSON and CXA2069Q are connected via SUB_V or Y/C OUT and MAIN_V or Y/C OUT. The HUDSON also handles COMP1_Y/Pb/Pr and COMP2_Y/Pb/Pr. The CXA2069Q outputs TV_L/R OUT, PC_Audio_L/R, AM_Audio / S IF, COMP1.2_RIN/LIN, AV_LR, and HDMI_L/R. The CXA2069Q also interfaces with the TAS5122 and NSP6241B.

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	DESCRIPTIONS
101	5900V12003B	FAND12025S SDS 120MM*120MM*25MM 12V/0.2A 1300 5V-13.2V RPM
102	4980V01018A	SUPPORTER, FAN EGI LEFT PDP DN-50PY10
103	4980V01017A	SUPPORTER, FAN EGI RIGHT PDP DN-50PY10
120	6401VD0026C	SPEAKER ASSEMBLY, FULL RANGE(L) NON TN-50PY20. C/SKD
121	6401VD0026D	SPEAKER ASSEMBLY, FULL RANGE(R) NON TN-50PY20. C/SKD
122	6401VD0028B	SPEAKER ASSEMBLY, WOOFER(R) NON 50PY2D C/SKD
123	6401VD0029B	SPEAKER ASSEMBLY, WOOFER(L) NON 50PY2D C/SKD
200	6348Q-C043J	PDP, 50" 1365*768 PDP50X30000.ADLGB
201	6871QCH059A	PWB(PCB) ASSEMBLY,DISPLAY CTRL ASSY HAND INSERT HAND INSERT 50X3 CTRL LGPCM1224
202	6871QDH088A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 50X3 YDRV TOP
203	6871QDH089A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 50X3 YDRV BOTTOM
204	6871QLH049A	PWB(PCB) ASSEMBLY,DISPLAY XRLT ASSY HAND INSERT 50X3 X-LEFT(TCP)
205	6871QXH030A	PWB(PCB) ASSEMBLY,DISPLAY XRCT ASSY HAND INSERT _ 50X3 X-CENTER (TCP)
206	6871QRH057A	PWB(PCB) ASSEMBLY,DISPLAY XRRT ASSY HAND INSERT 50X3 X-RIGHT (TCP)
207	6871QYH039A	PWB(PCB) ASSEMBLY,DISPLAY YSUS ASSY HAND INSERT FOR 50X3
208	6871QZH044A	PWB(PCB) ASSEMBLY,DISPLAY ZSUS ASSY HAND INSERT FOR 50X3
240	4980V00C93B	SUPPORTER, ASSY AL MODULE LEFT VERTICAL,50PY20 C/SKD
250	4980V00C90B	SUPPORTER, ASSY AL MODULE RIGHT VERTICAL, 50PY20 C/SKD
300	3091V00737D	CABINET ASSEMBLY, ASSY,50PY2R-ZB STEREO MF056B C/SKD
301	4811V00179B	BRACKET ASSEMBLY, SPEAKER GRILLE LEFT,50PY20 AF04HA ASSY, FOR JERSEY
302	4811V00179A	BRACKET ASSEMBLY, SPEAKER GRILLE RIGHT,50PY20 AF04HA ASSY, FOR JERSEY
303	4811V00178A	BRACKET ASSEMBLY, GRILLE FRONT 50PY20 AF04HA ASSY, FOR JERSEY
305	5230V00017B	FILTER(MECH), 50PX5D-UB LGM50-03 MITSUI 50" CLASS B GLASS FILTER
306	4980V01176B	SUPPORTER, ASSY AL FILTER TOP 50PY2R-ZB C/SKD
307	4980V01177B	SUPPORTER, ASSY AL FILTER BOTTOM 50PY2D-ZB C/SKD
308	4980V01178B	SUPPORTER, ASSY AL FILTER RIGHT 50PY2R-ZB C/SKD
309	4980V01179B	SUPPORTER, ASSY AL FILTER LEFT 50PY2R-ZB C/SKD
400	3809V00524D	BACK COVER ASSEMBLY, ASSY,50PY2DR INNER&OUTER C/SKD
401	3300V00442D	PLATE, B/COVER AL NON DI-50PY21 PRESS
402	3301V00058B	PLATE ASSEMBLY, ASSY REAR DECO,3300V00462 50PY2D C/SKD
430	3501V00218B	BOARD ASSEMBLY, ASSY SWIVEL,50PY2R-ZB MF056B FOR WITHOUT PACKING C/SKD
501	3301V00052E	PLATE ASSEMBLY, ASSY 3300V00441C(PRESS) RT-50PY21
502	3301V00050F	PLATE ASSEMBLY, REAR 3300V00451D(PRESS) 50PY2R-ZB
520	68719MM991A	PWB(PCB) ASSEMBLY,MAIN M.I MF056B 50PY2R-ZB . H2 FOR CST
530	6871VSMS62A	PWB(PCB) ASSEMBLY,SUB CONT MF056B HURRICANE2 RT-60PY21 CONTROL
531	5020V01020A	BUTTON, CONTROL 50PY20 ABS, AF-303S 1KEY STICK
550	31419SF243A	CHASSIS ASSEMBLY, SUB MF056B SKD FOR EPF ASSY
551	4811V00176E	BRACKET ASSEMBLY, COVER EPF&BUTTON,50PY21 MF056B .C/SKD
560	6871VSMS60A	PWB(PCB) ASSEMBLY,SUB A/V MF056B HURRICANE2 AUDIO ASSAY
580	6709V00001A	POWER SUPPLY ASSEMBLY, PDP 50INCH AF05GA 480W 1H259W SANKEN 50 INCH LOW END PSU
600	6871VSMS51A	PWB(PCB) ASSEMBLY,SUB A/V MF056B HURRICANE2 RT-60PY21 SIDE A/V
601	4811V00177H	BRACKET ASSEMBLY, SIDE AV,50PY2R-ZB MF056B C/SKD

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC		
IC100	0ILNR00015A	NSP-2100A,LF NEOFIDELITY TQFP 64P R/TP
IC1000	0IPRPM001A	MIC39100 3P SOT223 R/LDO TYPE 2.5V
IC1001	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/3.3V
IC1002	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK, R/IC
IC1003	0IPMG00027A	SC156515M-1.8TR 5P/TO-263-5
IC1004	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/3.3V
IC1005	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/3.3V
IC101	0IMCRTI028C	TAS5122DCARG4,LF 56P/TSSOP R/TP
IC101	0IPRPAL005A	AT76C120-UI-OJZ208,PB FREE ATMEL 208P
IC103	0IMCRTI028C	TAS5122DCARG4,LF 56P/TSSOP R/TP
IC1100	0IMCRRH001A	BA033FP-E2 3P-SOP,TO252-3 R/3.3V
IC1101	0IPRPM001A	MIC39100 3P SOT223 R/LDO TYPE 2.5V
IC1102	0IPMG00027A	SC156515M-1.8TR 5P/TO-263-5 R/1.5A
IC1103	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/1A,5V LDO
IC1104	0IPMG00027A	SC156515M-1.8TR 5P/TO-263-5 R/1.5A
IC1105	0IPRPM001A	MIC39100 3P SOT223 R/LDO TYPE 2.5V
IC1200	0IPRPS5005A	SII9011CLU(PB FREE) SILICON IMAGE 128P
IC1201	0IMMR00018A	24LC02BT-I/SNG(PB FREE) MICRO
IC1300	0IMCRTH003A	THC63LVD104A 64P TQFP TRAY 10BIT
IC201	692791005AC	SOFT WARE, 1.36V ECA2 PDP MF056B
IC202	0IMMRHY038E	HY57V561620CTP-H,LF HYNIX 54PIN,TSOP
IC202	0IPMGON013B	MC34063ADR2G ON SEMI SO-8P R/TP
IC300	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC301	0ISA721700C	LA7217M MFP14 SYNC SEPARATOR
IC301	0ISTL00002A	SN74CBTLV3257DGVR 16P,TVSOP R/TP
IC302	0ISTL00002A	SN74CBTLV3257DGVR 16P,TVSOP R/TP
IC303	0ISTL00002A	SN74CBTLV3257DGVR 16P,TVSOP R/TP
IC400	0IMCRMN028B	MSP4410K MICRONAS 80P/PQFP
IC401	0IMCRAT005A	EPM3128ATC100-10 ALTERA 100P,QFP
IC401	0IPH741400E	74HC14D 14SOP SHITTER TRIGGER
IC402	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP R/TP
IC500	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P SOIC
IC501	0IMCRTH002A	THC63LVD103 64P TQFP TRAY 10BIT LVDS TX
IC502	0IPRPPH041A	UDA1334BTS PHILIPS SSOP 16P R/TP
IC502	0IPH741400E	74HC14D 14SOP SHITTER TRIGGER
IC505	0IMCRSJ001A	SC1565IST-1.8 3P SOT223 TP
IC506	0IPMGS1012A	SC1592ISTRTP,PB FREE SOIC-8P
IC600	0IPRP00009A	ICL3232CBNZ INTERSIL 16P/SOP R/TP
IC601	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/1A,9V LDO
IC602	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/1A,9V LDO
IC603	0IPRPNS054A	LM75CIMX-3 8P/SOP R/TP
IC604	0IPH743200A	74HC32D 14SOP QUAD 2-INPUT OR GATE
IC700	0IMCR02006A	FLI8125BB-LF GENESIS 208P/PQFP
IC701	0IMMRAL025A	AT24C32AN-10SI-2.7 8PIN SOP 32K 3.3V
IC703	0IMMR00004A	SST25VF040-20-4C-S2AE-T SST SOIC 8P
IC800	0IMCR02005A	FLI8532BD-LF GENESIS 416P/PBGA
IC802	0IMMR00024A	24LC256T-I/SMG(PB FREE) MICRO
IC900	692791081AB	SOFT WARE, 2.01V 5B4E PDP MF056B
IC901	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P
IC902	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P
S1	692791083AA	SOFT WARE, 2.00V B976 PDP MF056B

LOCA. NO	PART NO	DESCRIPTION
TRANSISTOR		
IC1202	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
IC1203	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
IC200	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
IC201	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
IC503	0TRON80020A	NUS2401SNT1G,PNP/NPN DIGITAL TR
IC503	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
IC504	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
IC803	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
IC804	0TR830009BA	BSS83 PHILIPS N-CHANNEL S/W TR
Q100	0TR387500AA	2SC3875S(ALY) BK KEC
Q1000	0TR387500AA	2SC3875S(ALY) BK KEC
Q1001	0TR387500AA	2SC3875S(ALY) BK KEC
Q1002	0TR387500AA	2SC3875S(ALY) BK KEC
Q1003	0TR387500AA	2SC3875S(ALY) BK KEC
Q1004	0TR387500AA	2SC3875S(ALY) BK KEC
Q101	0TR387500AA	2SC3875S(ALY) BK KEC
Q101	0TR387500AA	2SC3875S(ALY) BK KEC
Q102	0TR102008AA	KRA102S R/KEC SOT23 TR
Q103	0TR387500AA	2SC3875S(ALY) BK KEC
Q104	0TR387500AA	2SC3875S(ALY) BK KEC
Q1200	0TR387500AA	2SC3875S(ALY) BK KEC
Q200	0TR150400BA	2SA1504S(ASY) BK KEC
Q201	0TR387500AA	2SC3875S(ALY) BK KEC
Q202	0TR387500AA	2SC3875S(ALY) BK KEC
Q203	0TR150400BA	2SA1504S(ASY) BK KEC
Q204	0TR150400BA	2SA1504S(ASY) BK KEC
Q205	0TR387500AA	2SC3875S(ALY) BK KEC
Q206	0TR150400BA	2SA1504S(ASY) BK KEC
Q207	0TR150400BA	2SA1504S(ASY) BK KEC
Q300	0TR387500AA	2SC3875S(ALY) BK KEC
Q301	0TR387500AA	2SC3875S(ALY) BK KEC
Q302	0TR387500AA	2SC3875S(ALY) BK KEC
Q303	0TR387500AA	2SC3875S(ALY) BK KEC
Q304	0TR387500AA	2SC3875S(ALY) BK KEC
Q305	0TR150400BA	2SA1504S(ASY) BK KEC
Q400	0TR387500AA	2SC3875S(ALY) BK KEC
Q401	0TR387500AA	2SC3875S(ALY) BK KEC
Q402	0TR387500AA	2SC3875S(ALY) BK KEC
Q403	0TR387500AA	2SC3875S(ALY) BK KEC
Q404	0TR387500AA	2SC3875S(ALY) BK KEC
Q405	0TR102008AA	KRA102S R/KEC SOT23 TR
Q407	0TR387500AA	2SC3875S(ALY) BK KEC
Q408	0TR102008AA	KRA102S R/KEC SOT23 TR
Q409	0TR387500AA	2SC3875S(ALY) BK KEC
Q410	0TR387500AA	2SC3875S(ALY) BK KEC
Q411	0TR387500AA	2SC3875S(ALY) BK KEC
Q501	0TFON80009A	NTS2101PT1G,P-CHANNEL,PB
Q502	0TFON80009A	NTS2101PT1G,P-CHANNEL,PB
Q502	0TFON80004C	NTR4501NT1G,N-CHANNEL,PB
Q503	0TFON80009A	NTS2101PT1G,P-CHANNEL,PB

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible
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LOCA. NO	PART NO	DESCRIPTION
DIODE		
D1	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
D1005	0DD226239AA	KDS226 KEC
D1006	0DD226239AA	KDS226 KEC
D1007	0DD226239AA	KDS226 KEC
D1008	0DD226239AA	KDS226 KEC
D1009	0DD226239AA	KDS226 KEC
D1010	0DD226239AA	KDS226 KEC
D1012	0DD200009AF	RU2M V(1) R-TMD 400V 1.1A 20A 0.4US 10UA
D1013	0DD200009AF	RU2M V(1) R-TMD 400V 1.1A 20A 0.4US 10UA
D102	0DD226239AA	KDS226 KEC
D103	0DD226239AA	KDS226 KEC
D104	0DD226239AA	KDS226 KEC
D105	0DD226239AA	KDS226 KEC
D106	0DD226239AA	KDS226 KEC
D108	0DD226239AA	KDS226 KEC
D1100	0DD226239AA	KDS226 KEC
D1105	0DD226239AA	KDS226 KEC
D1106	0DD226239AA	KDS226 KEC
D1107	0DD226239AA	KDS226 KEC
D1109	0DD226239AA	KDS226 KEC
D1110	0DD226239AA	KDS226 KEC
D112	0DD226239AA	KDS226 KEC
D113	0DD226239AA	KDS226 KEC
D114	0DD226239AA	KDS226 KEC
D1200	0DD184009AA	KDS184 KEC - 85V - 300MA
D1201	0DS113379BA	1SS133 T-72 KOREA DO34 90V
D2	0DZ620009BB	MTZJ6.2B DO34 0.5W 6.2V 5UA
D300	0DD226239AA	KDS226 KEC
D500	0DD226239AA	KDS226 KEC
D501	0DD226239AA	KDS226 KEC
D502	0DD226239AA	KDS226 KEC
D504	0DR050008AA	SD05.TC R/SOD323 5V 5A 15A
D505	0DR050008AA	SD05.TC R/SOD323 5V 5A 15A
D506	0DR050008AA	SD05.TC R/SOD323 5V 5A 15A
D600	0DD100009AM	EU1ZV(1) E/EO-TMD 200V 0.25A 15A
ZD300	0DR050008AA	SD05.TC R/SOD323 5V 5A 15A
ZD301	0DR050008AA	SD05.TC R/SOD323 5V 5A 15A
ZD400	0DZRM00248A	RLZ8.2B-TE11 R/LLDS(LL-34) 500MW
ZD600	0DR050008AA	SD05.TC R/SOD323 5V 5A 15A
CAPACITOR		
C1000	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1005	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1007	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1009	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C101	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1010	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1019	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C102	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C103	0CK104CF56A	0.1UF 1608 16V 10% R/X7R

LOCA. NO	PART NO	DESCRIPTION
C1030	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C104	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C104	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1043	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C1046	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1047	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C105	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1050	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1051	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C106	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1064	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C1065	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1066	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1067	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1068	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1069	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C107	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C107	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1071	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1073	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C108	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C108	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C108	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1082	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1083	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1084	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1085	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1087	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C109	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C109	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1098	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1099	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C110	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1102	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1105	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C1107	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1108	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C111	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C111	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1110	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1115	0CE477DJ618	470UF STD 35V 20% FL 5
C1116	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1117	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1118	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1119	0CE477DJ618	470UF STD 35V 20% FL 5
C112	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1120	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1126	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C113	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C113	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1135	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1136	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP

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	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C1137	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C1313	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1138	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C1314	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C114	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C1315	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1148	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C1316	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1149	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C1317	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1150	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C1318	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1151	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C1333	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C1154	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C1334	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C1159	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C1335	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C116	0CK103CK56A	0.01UF 1608 50V 10% R/X7R	C1338	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C1162	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C135	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1165	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C1410	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C1166	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C1411	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C117	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C142	0CF4741L438	0.47UF D 63V 5% 5 M/PE NI
C117	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C143	0CF4741L438	0.47UF D 63V 5% 5 M/PE NI
C118	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C172	0CF4741L438	0.47UF D 63V 5% 5 M/PE NI
C1185	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C173	0CF4741L438	0.47UF D 63V 5% 5 M/PE NI
C1186	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C174	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1187	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C175	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1188	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C176	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1189	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C177	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C119	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C178	0CE106SK6DC	10UF MVG 50V 20% SMD R/TP
C119	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C179	0CE108DJ618	1000UF STD 35V M FL TP5
C1190	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C184	0CE106SK6DC	10UF MVG 50V 20% SMD R/TP
C1191	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C185	0CE108DJ618	1000UF STD 35V M FL TP5
C1192	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C192	0CE108DJ618	1000UF STD 35V M FL TP5
C1193	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C193	0CF4741L438	0.47UF D 63V 5% 5 M/PE NI
C1194	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)	C196	0CF4741L438	0.47UF D 63V 5% 5 M/PE NI
C1195	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C201	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1199	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C202	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C120	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C203	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1200	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C203	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C1201	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C204	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C121	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C204	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C122	0CK103CK56A	0.01UF 1608 50V 10% R/X7R	C205	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1225	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C206	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C123	0CC102CK41A	1000PF 1608 50V 5% R/NP0	C207	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1230	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C208	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1231	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C208	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1245	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C209	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1247	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C210	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C127	0CE108DJ618	1000UF STD 35V M FL TP5	C211	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C128	0CF4741L438	0.47UF D 63V 5% 5 M/PE NI	C214	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C129	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C215	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C130	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C221	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(SMD)
C1302	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C238	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C1304	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C241	0CE476SK6D8	47UF MVG,MC 50V 20% SMD TAPPING
C1306	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C300	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1309	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C301	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C131	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C302	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1311	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C303	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C1312	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C304	0CK104CF56A	0.1UF 1608 16V 10% R/X7R

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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C304	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C511	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C305	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C512	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C305	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C513	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C306	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C514	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C307	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C515	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C307	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C516	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD
C308	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C517	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C309	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C518	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C310	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C518	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C315	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C519	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C318	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C520	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C319	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C520	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C320	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C521	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C321	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C522	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C325	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C522	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C328	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C523	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C330	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C524	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C338	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP	C525	0CK103CK56A	0.01UF 1608 50V 10% R/X7R
C340	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C526	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C342	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP	C527	0CK103CK56A	0.01UF 1608 50V 10% R/X7R
C347	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP	C527	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C402	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD	C528	0CK103CK56A	0.01UF 1608 50V 10% R/X7R
C403	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C529	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C404	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C530	0CK103CK56A	0.01UF 1608 50V 10% R/X7R
C405	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C531	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C406	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C532	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C407	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C533	0CK103CK56A	0.01UF 1608 50V 10% R/X7R
C408	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C534	0CK104CF56A	0.1UF 1608 16V 10% R/X7R
C409	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C610	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
C410	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C614	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C412	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C615	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C413	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD	C620	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C425	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C621	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C457	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD	C622	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
C462	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD	C625	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C463	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C728	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C464	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C729	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C481	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP	C730	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C482	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP	C731	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C501	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C735	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C502	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C737	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C503	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C739	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C503	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C745	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C504	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C750	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C505	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C752	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C505	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C760	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C506	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C762	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C507	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C764	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C508	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C767	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C509	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C771	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C510	0CK104CF56A	0.1UF 1608 16V 10% R/X7R	C828	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C511	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C832	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic	RD : Carbon Film
	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C833	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C834	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C835	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C836	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C837	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C838	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C839	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C840	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C851	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C853	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C884	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C896	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C901	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C904	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C905	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C930	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C950	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
R1007	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1009	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1010	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1019	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1030	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1043	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1047	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1064	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1105	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1107	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1108	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1135	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1137	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1138	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1148	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1154	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1247	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1302	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1304	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1306	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R1309	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1312	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1313	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1314	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R1315	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R238	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R402	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R462	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R527	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R610	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD) SMD
R614	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R615	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R620	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R621	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD
R622	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD) SMD

LOCA. NO	PART NO	DESCRIPTION
COIL		
L1000	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L105	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L106	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L107	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L108	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L109	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L110	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L1101	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1102	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1103	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1104	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L111	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L112	6140VB0032A	DBF-1015A 15.5UH 10PIE DIGITAL AUDIO
L1124	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L503	6140VB0003A	LQH31CN4R7M03L 4.7UH 10% 1UEW
CONNECTOR		
C1	366-036B	STAPLE
C2	387-J04T	4P 2.5MM 1200MM H-H UL1185AWG26
C3	387-J10K	10P 2.5MM 600MM H-H UL1185AWG26
C4	387-J10R	10P 2.5MM 1400MM H-H UL1185AWG26
C5	387-J12K	12P 2.5MM 600MM H-H UL1185AWG26
C6	387-J12M	12P 2.5MM 800MM H-H UL1185AWG26
C7	6631V00045B	10P SPECIAL 150MM H-H UL1007AWG24
C8	6631V12036P	10P 1.25MM 1000MM H-H UL1533AWG28
C9	6631V25032E	3P 2.5MM 300MM H-H UL1007 AWG26
C10	6631V25083A	7P 2.5MM 100MM H-H UL1007 AWG24
C11	6631V39015E	4P 3.96MM 300MM H-H UL1007AWG18
C12	6631V39016E	10P 3.96MM 300MM H-H UL1007AWG18
CARD301	6630C00010B	152-1001005000-CV TAISOL 68P 0.7MM
CARD302	6630C00012C	149-1110012901 TAISOL 50P 0.635MM
CD301	6630C00010B	152-1001005000-CV TAISOL 68P 0.7MM
CD302	6630C00012C	149-1110012901 TAISOL 50P 0.635MM
JK500	6630G70016A	A03-7071-094 SPG 15P 2.29MM
JK601	6630G70017A	A02-0915-101 SPG 9P 2.54MM
P100	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
P101	6630VF01810	12505WR-10 YEONHO 10P 1.25MM
P102	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P103	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P104	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P105	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P106	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
P106	366-921J	GIL-G-10P LGC 10PIN 2.54MM STICK
P1100	366-921J	GIL-G-10P LGC 10PIN 2.54MM STICK
P1300	6602T12007D	GT121-31P-TD LGC 31P 1.25MM DUAL S/T
P1302	6630VF00710	12505WS-10A00 YEONHO 10P 1.25MM
P1303	366-921J	GIL-G-10P LGC 10PIN 2.54MM STICK
P400	366-921L	GIL-G-12P LGC 12PIN 2.54MM STICK
P401	6602V12001H	1.25MM 12PINP 53261-1290 JPN-MOLEX
P401	366-921J	GIL-G-10P LGC 10PIN 2.54MM STICK

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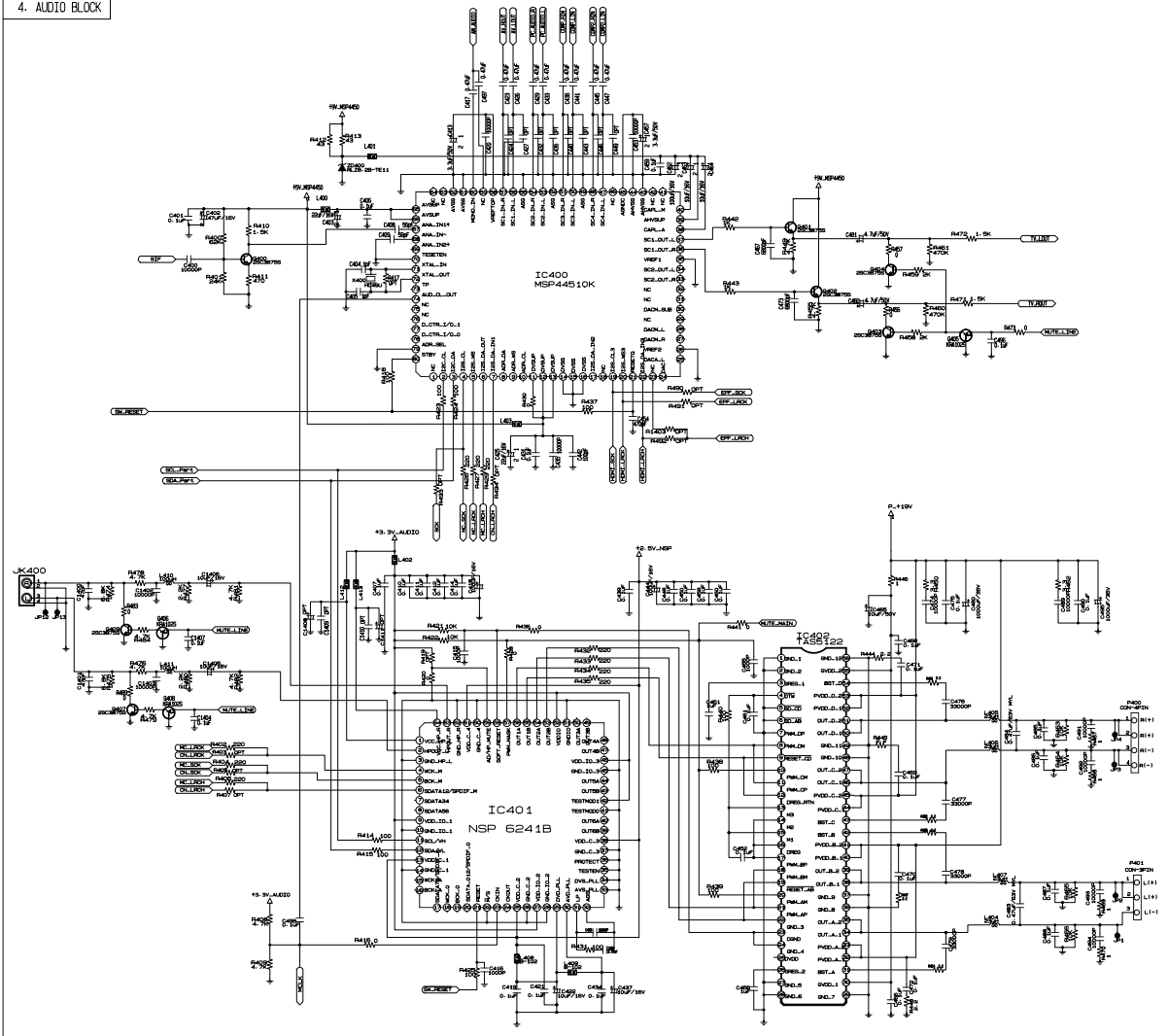
LOCA. NO	PART NO	DESCRIPTION
P501	6630VF01810	12505WR-10 YEONHO 10P 1.25MM
P502	6602T12007D	GT121-31P-TD LGC 31P 1.25MM DUAL S/T
P600	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P601	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P602	366-932B	IL-G-03P LGC 2.5MM S/T STICK
P802	366-932C	IL-G-04P LGC 2.5MM S/T STICK
P803	6602T12007D	GT121-31P-TD LGC 31P 1.25MM DUAL S/T
RESISTOR		
AR1200	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1201	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1202	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1203	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1204	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1205	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR1306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR700	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR702	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR703	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR704	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR705	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/4P E24
AR806	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR807	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR808	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR809	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR810	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR811	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR812	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR813	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR814	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR815	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR816	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
AR817	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51
R230	0RD0331H609	3.3 OHM 1/2 W 5.00% TA52
R618	0RD0152H609	15 OHM 1/2 W 5.00% TA52
SWITCH		
SW1	140-313B	2LEAD 160G(TA) 5V 0.001A HORIZONTAL .G
SW2	140-313B	2LEAD 160G(TA) 5V 0.001A HORIZONTAL .G
SW3	140-313B	2LEAD 160G(TA) 5V 0.001A HORIZONTAL .G
SW4	140-313B	2LEAD 160G(TA) 5V 0.001A HORIZONTAL .G
SW5	6600H000008	KTM-1502D 12VDC 50MA JOYSTICK SWITCH
SW6	6600H000008	KTM-1502D 12VDC 50MA JOYSTICK SWITCH
SW700	6600VR1004A	SKHMPW 5P J-ALPS .V .A HORIZONTAL .G
SW800	6600VR1004A	SKHMPW 5P J-ALPS .V .A HORIZONTAL .G

LOCA. NO	PART NO	DESCRIPTION
FILTER & CRYSTAL		
L100	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L100	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1004	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1005	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1006	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1007	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1008	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1009	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L101	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1010	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1011	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1012	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1013	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1014	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1015	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1016	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1017	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1018	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1019	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L102	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L1020	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1021	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1022	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1023	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1024	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L103	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L104	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L110	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1105	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1106	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1107	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1108	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1109	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L111	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1110	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1111	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1112	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1113	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1115	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1116	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1117	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1118	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1119	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1120	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1121	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1122	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1123	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1125	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1126	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1127	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD

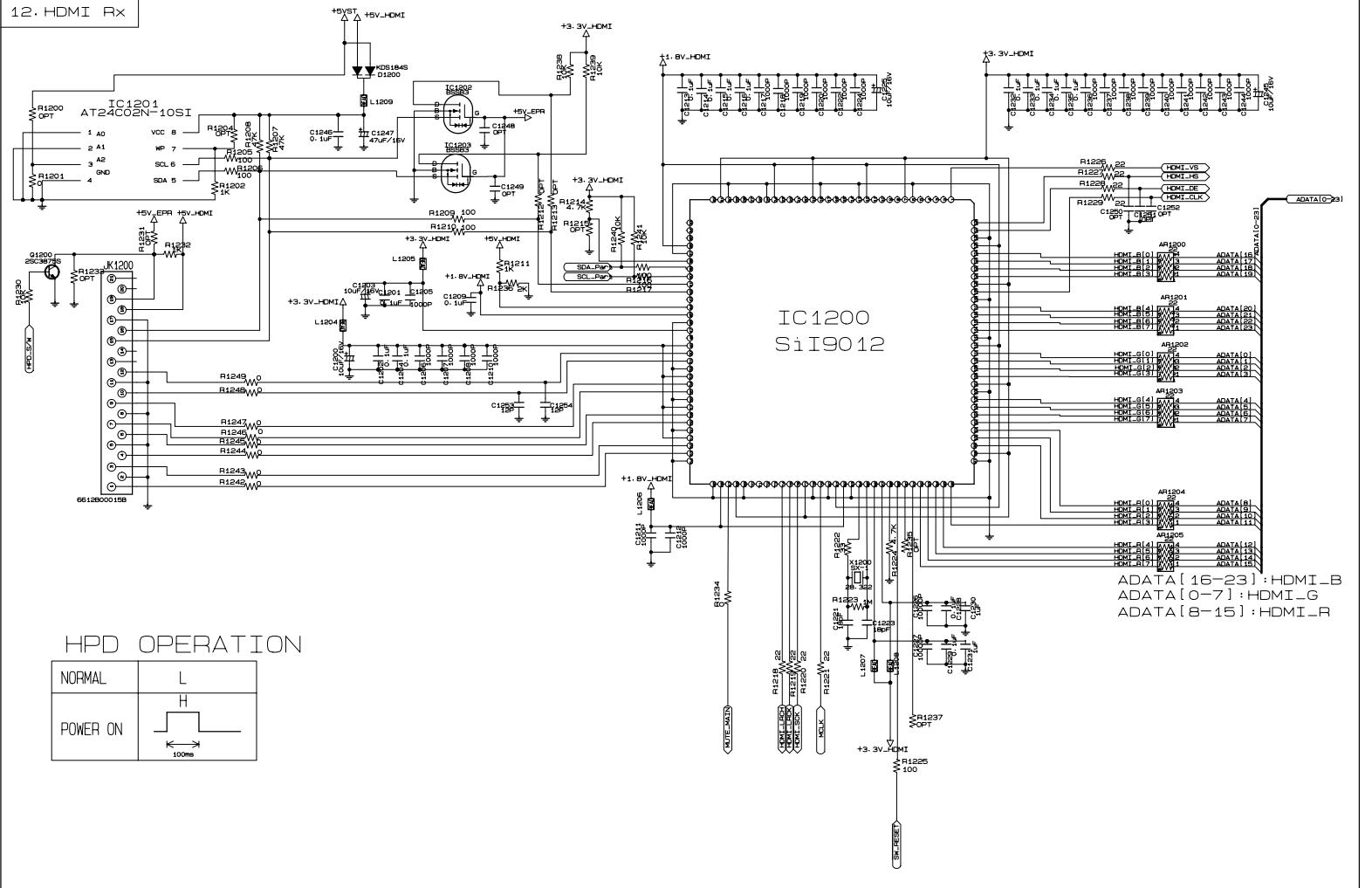
LOCA. NO	PART NO	DESCRIPTION
L1128	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1129	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L113	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L114	6200JB8010L	MLB-201209-1000L-N2 R/1000OHM 350MA
L115	6200JB8010L	MLB-201209-1000L-N2 R/1000OHM 350MA
L119	6200JB8010L	MLB-201209-1000L-N2 R/1000OHM 350MA
L120	6200JB8010L	MLB-201209-1000L-N2 R/1000OHM 350MA
L1204	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1205	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1206	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1207	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1208	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L1209	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L121	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L122	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L123	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L124	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L125	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L126	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L200	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L201	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L202	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L203	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L204	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L300	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L301	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L302	6200JB8010L	MLB-201209-1000L-N2 R/1000OHM 350MA
L400	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L401	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L403	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L405	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L500	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L501	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
L502	6200JB8010L	MLB-201209-1000L-N2 R/1000OHM 350MA
L502	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
L503	6200JB8010L	MLB-201209-1000L-N2 R/1000OHM 350MA
L506	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L604	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L606	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L607	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L803	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
L805	6200J000013	MLB-321611-0500P-N2 R/500 OHM BEAD
X101	6202VDT002A	RESONATOR,CRYSTAL SX-1SMD 12.0MHZ
X102	6212AB2851A	RESONATOR,CRYSTAL ABL5-18.5625MHZ
X1200	6212AB2845A	RESONATOR,CRYSTAL ABL5-27.000MHZ
X300	166-E02F	RESONATOR,CERAMIC CSBLA500KECF09-B0
X400	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ
X700	6212AB2844A	RESONATOR,CRYSTAL ABL5-19.6608MHZ
X800	6212AB2844A	RESONATOR,CRYSTAL ABL5-19.6608MHZ
JACK		
JK100	6612J00043C	UPJ-R1-031 S/T,SCART,SHIELD,SPRING

LOCA. NO	PART NO	DESCRIPTION
JK101	6612J00043C	UPJ-R1-031 S/T,SCART,SHIELD,SPRING
JK102	6613V00026A	UJB-03-28A 6613V00004S+SHIEL+SCREW
JK102	6612J00043C	UPJ-R1-031 S/T,SCART,SHIELD,SPRING
JK103	6612J10012A	UJB-05-02C COMPONENT GR/BL/RD/WH/RD
JK104	6612J00038B	UJB-03-25B 6612J00038A+RED S/W+SHIELD
JK1200	6612B00015B	DC1R019WDH JAE 0.5MM,19PIN+2PIN
JK400	6612J00037A	UJB-02-12A 2P RCA VERTICAL+SHIELD
JK502	6612F00087A	UEJ-CV-032 EAR JACK 10MM
JK600	6612F00087A	UEJ-CV-032 EAR JACK 10MM
WAFER		
P100	366-922C	WAFER, IL-G-04P LGC 2.5MM R/A
P1001	366-921F	WAFER, IL-G-07 LGC 2.5mm S/T
P103	366-922L	WAFER, IL-G-12P LGC 2.5mm R/A
P300	366-922L	WAFER, IL-G-12P LGC 2.5mm R/A
ACCESSORIES		
A1	3828VA0558F	MANUAL, USER MF056B 142D TX
A2	6710V00142D	REMOTE CONTROLLER, MF056B 52KEY
A3	6410VEH003K	POWER CORD, 003C-G/SOURCING
A4	4972V00178A	FIXER, WALL ASSY PDP SET
MISCELLANEOUS		
C13	68509A0001B	CABLE,COAXIAL TO PLUG UL1365AWG26
C14	6850J00005C	CABLE,DVI LVDS UL20276 AWG30 600MM
C15	6850J00005H	CABLE,DVI LVDS UL20276 AWG30 1000MM
C16	6851V00019A	CABLE,COAXIAL RF CONN 4AC208A0
C17	6851V00022C	CABLE,COAXIAL UL1365#26 VW-1
D1003	0DL233309AC	LED, SAM2333 GREEN:10MCD, RED:6MCD
D1103	0DL233309AC	LED, SAM2333 GREEN:10MCD, RED:6MCD
TU200	6700MF0012B	TUNER, TAFM-W102P PHONO SUB
TU201	6700MF0012A	TUNER, TAUM-W101P PHONO MAIN

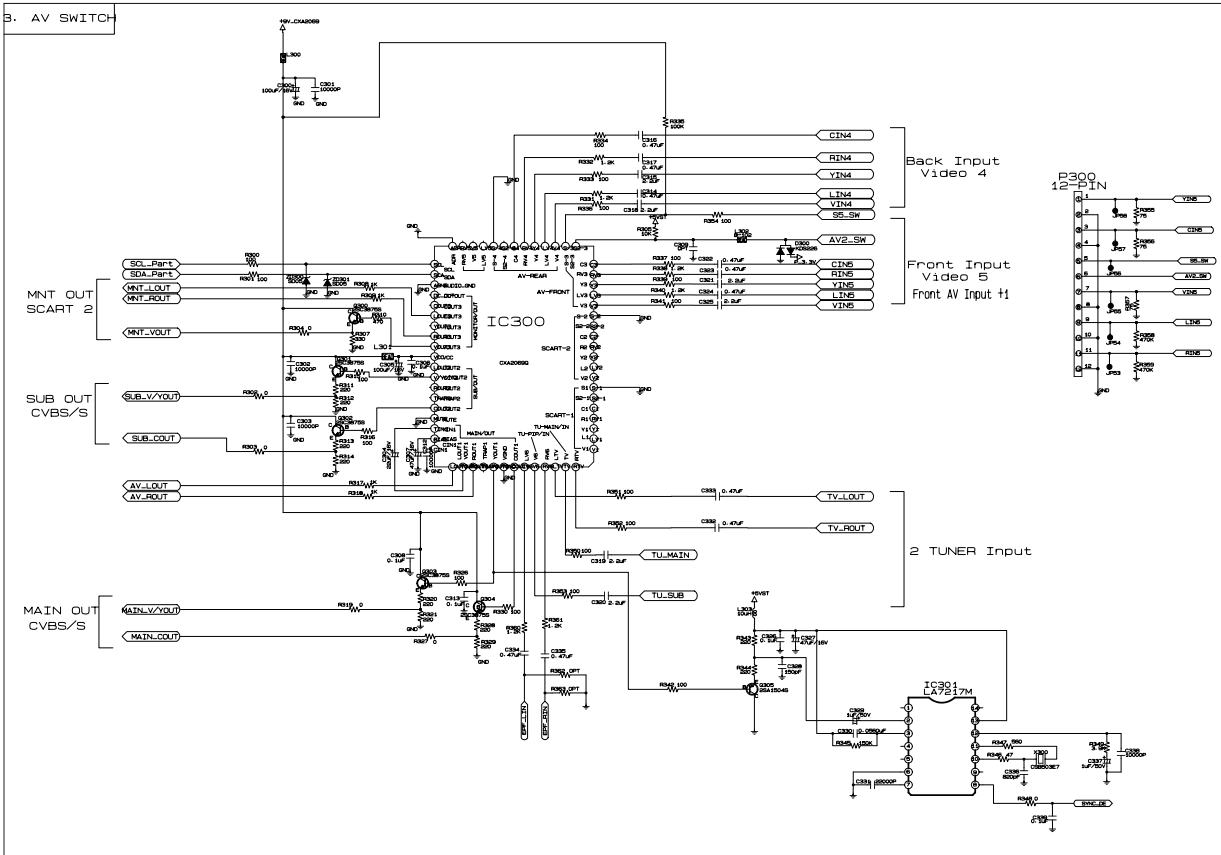
4. AUDIO BLOCK



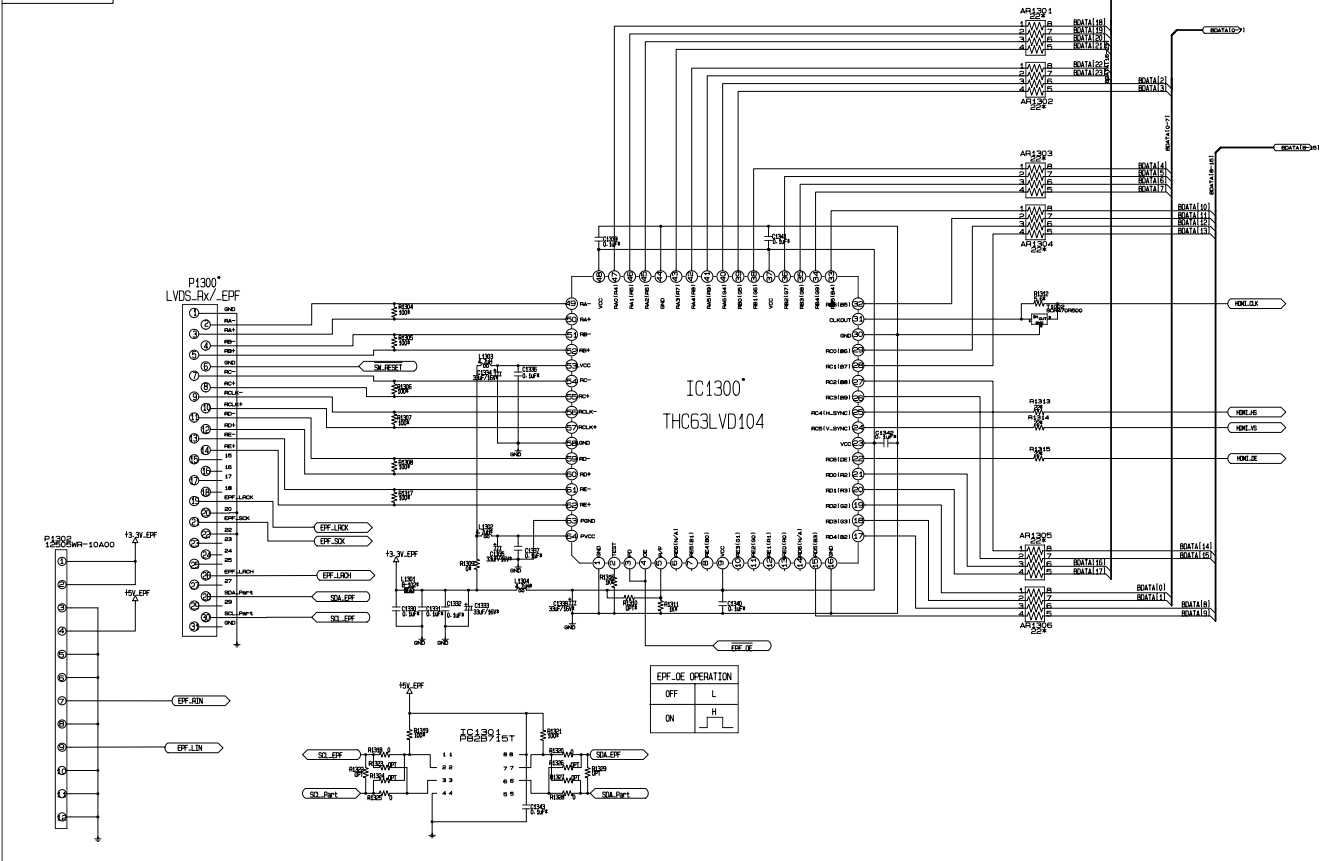
12. HDMI Rx



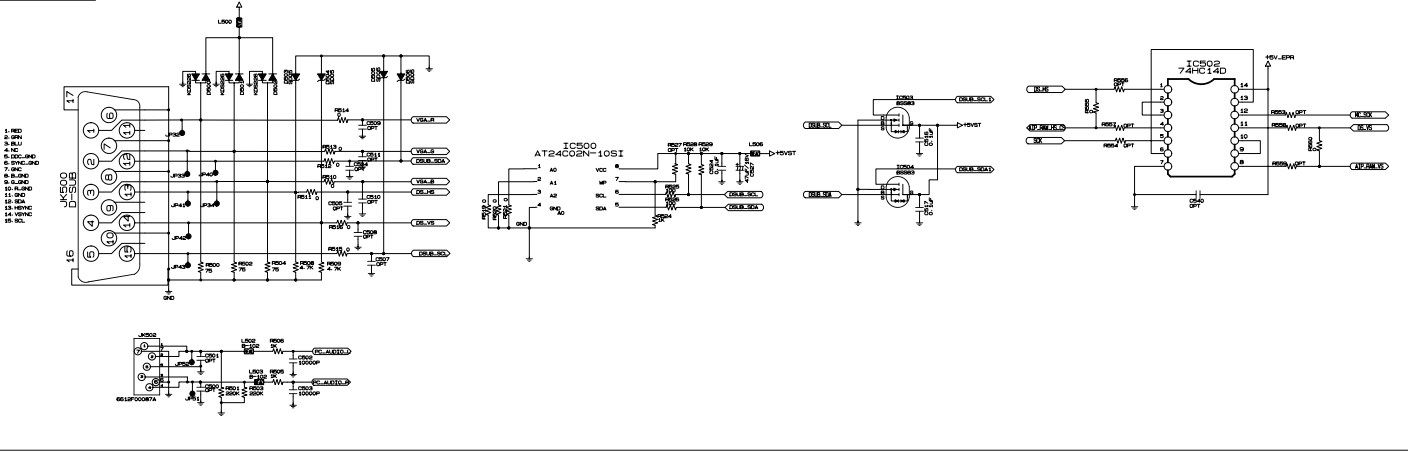
3. AV SWITCH



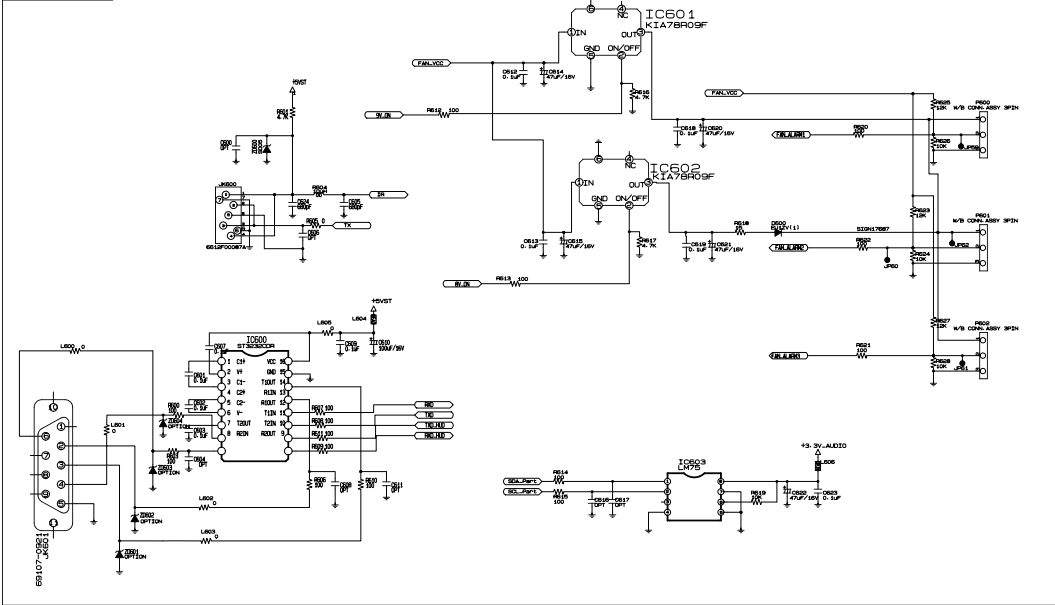
13. EPF-LVDS-Rx



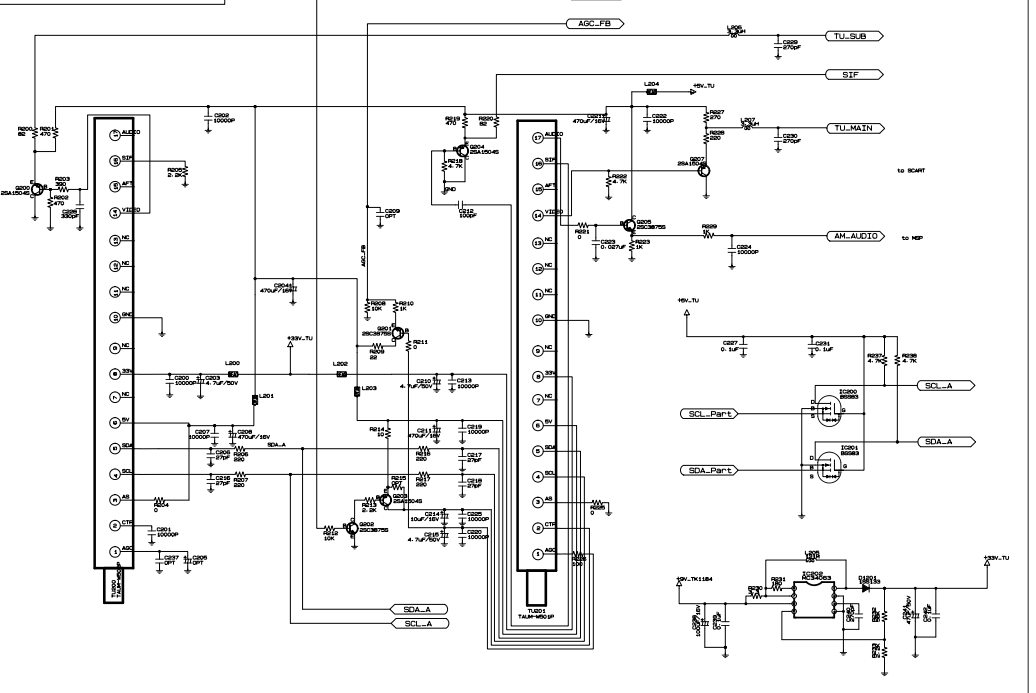
5. RGB INPUT



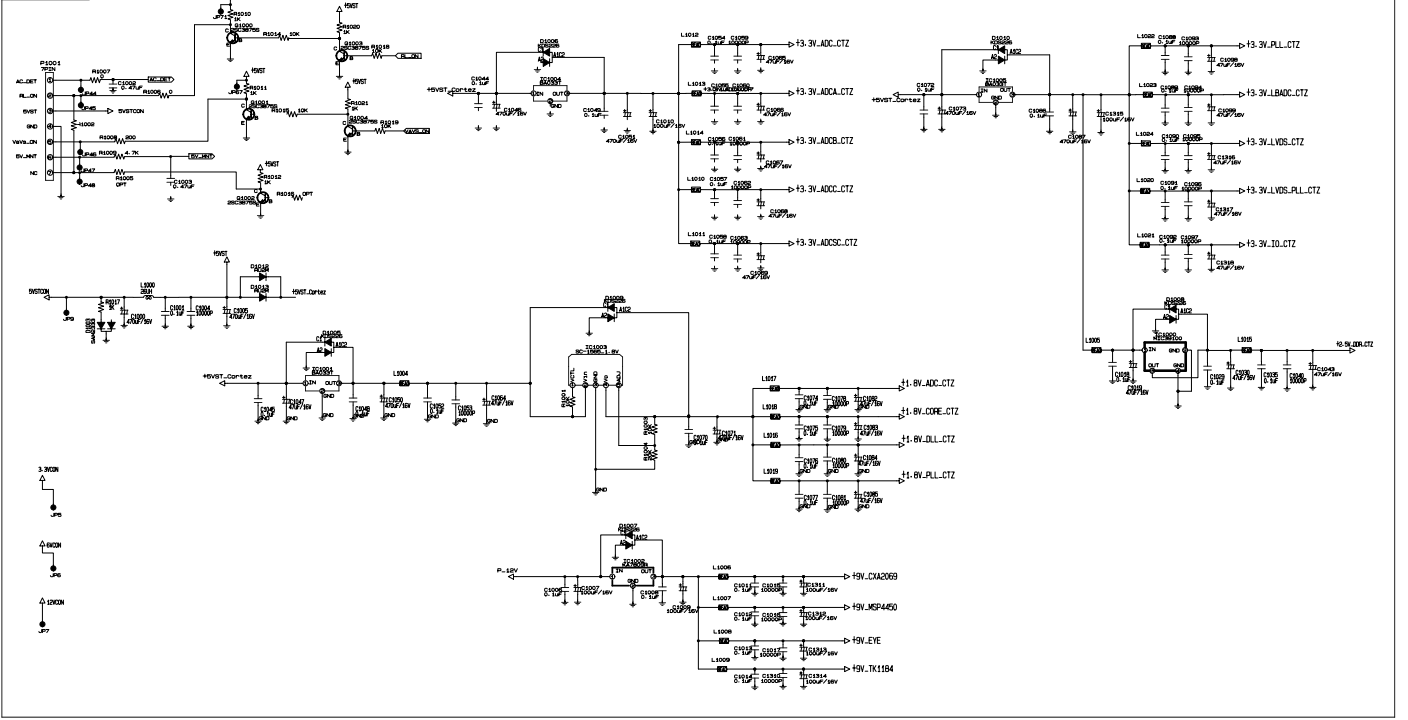
6. RS232 & FAN



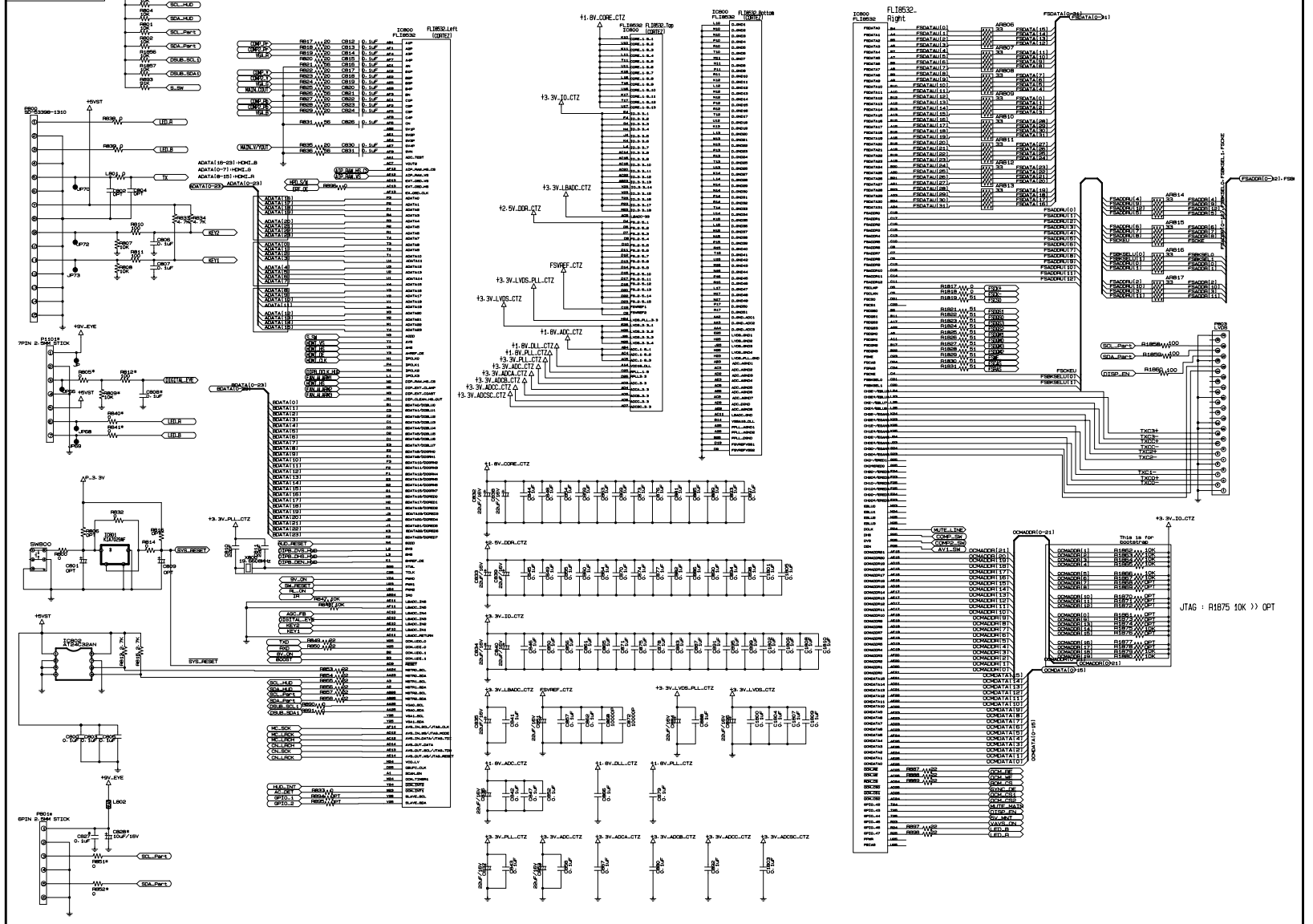
2. TUNER



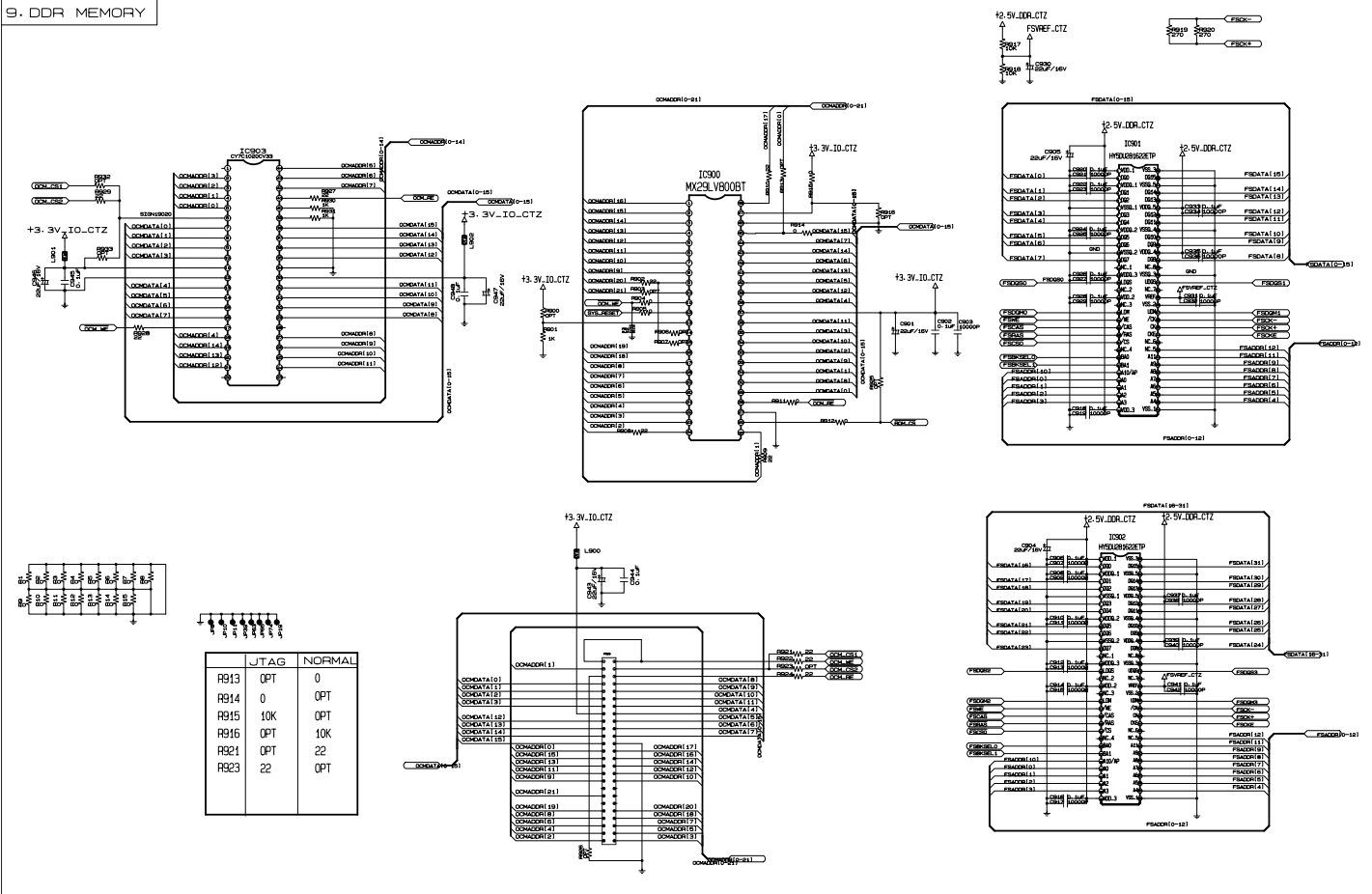
10. POWER



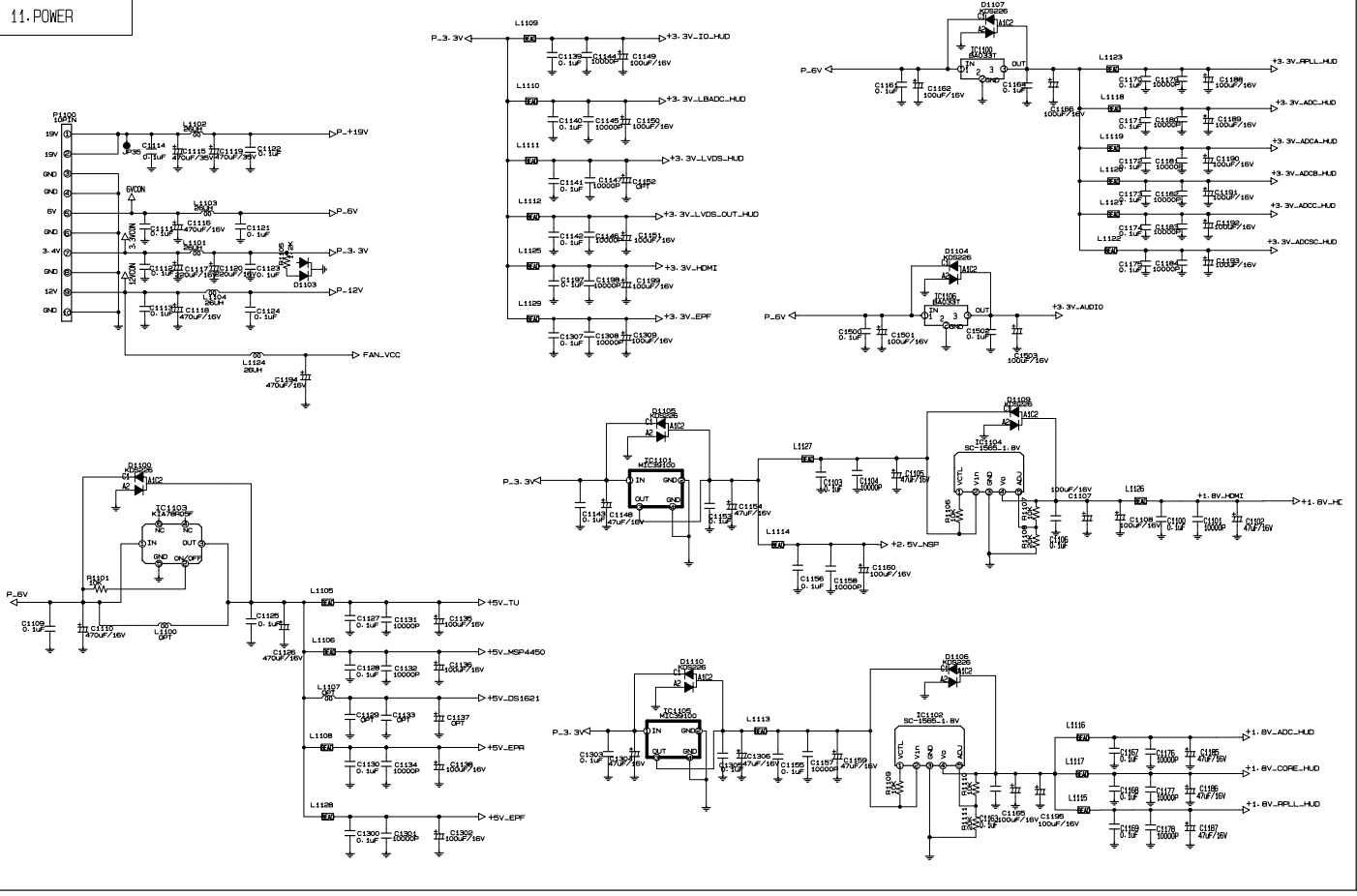
8. CORTEX



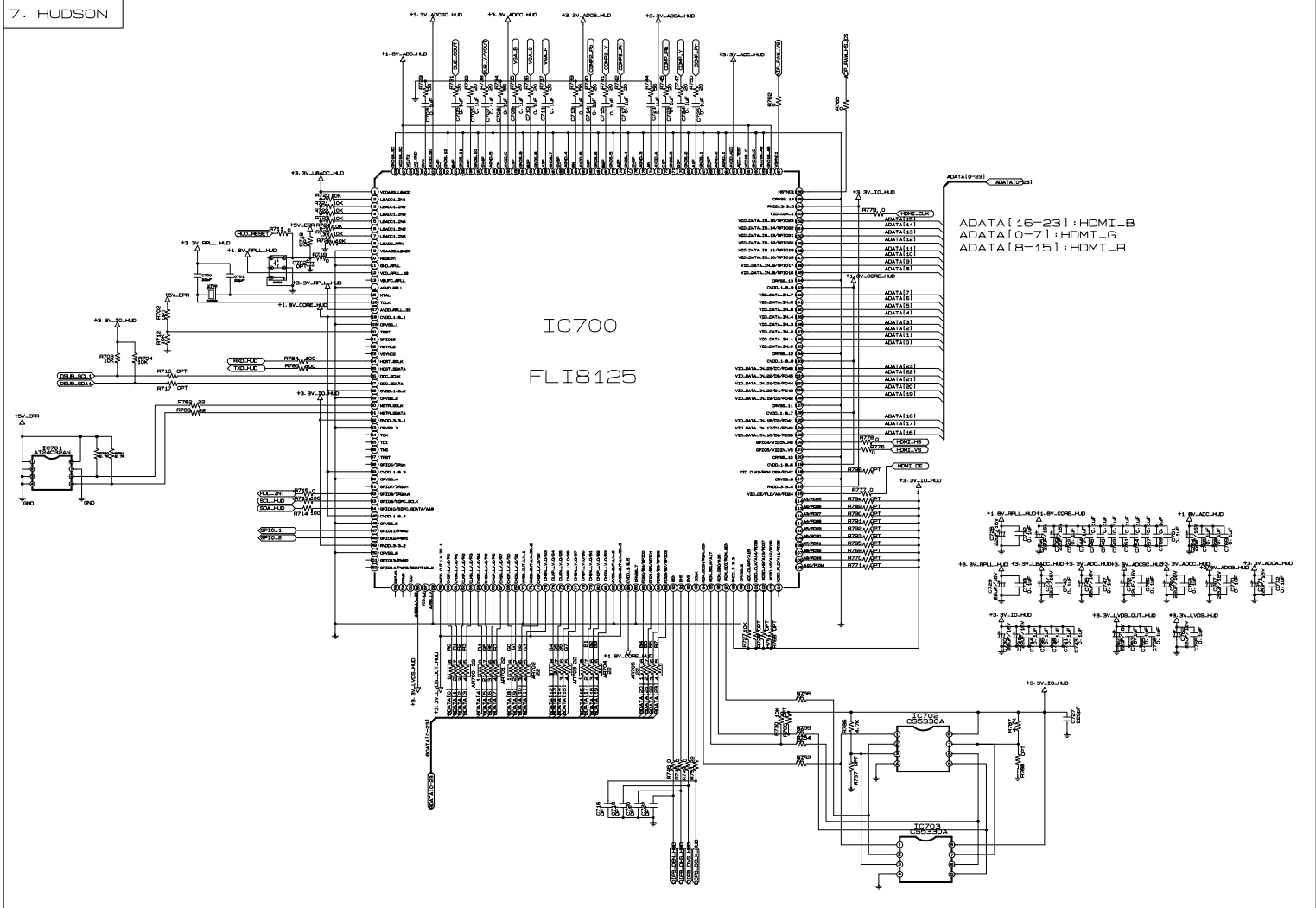
9. DDR MEMORY



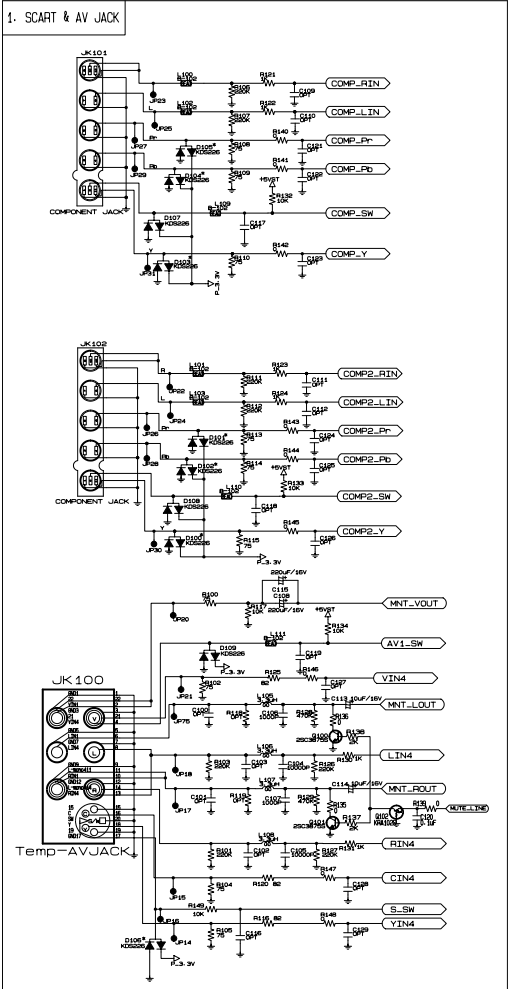
11. POWER



7. HUDSON

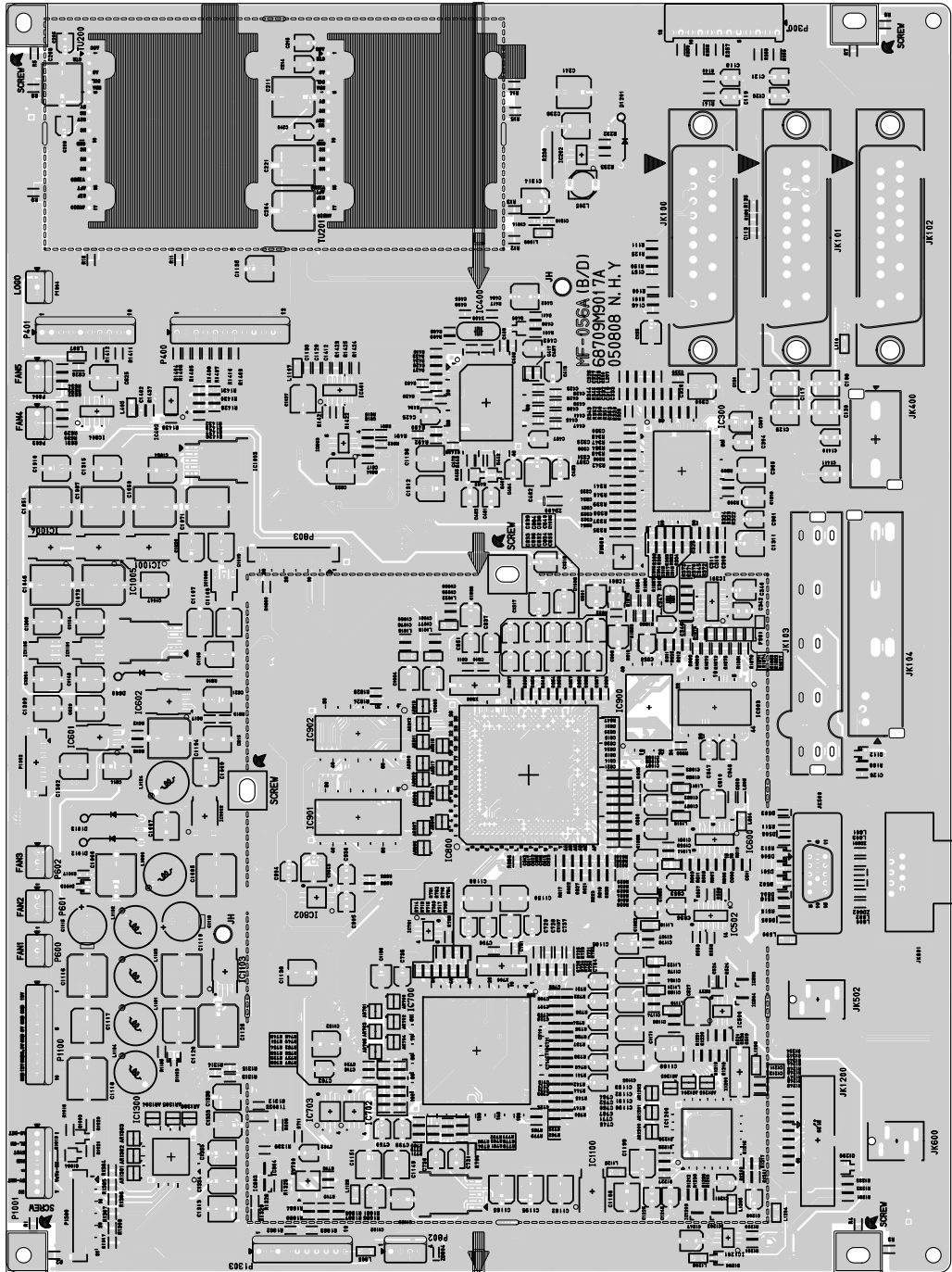


1. SCART & AV JACK

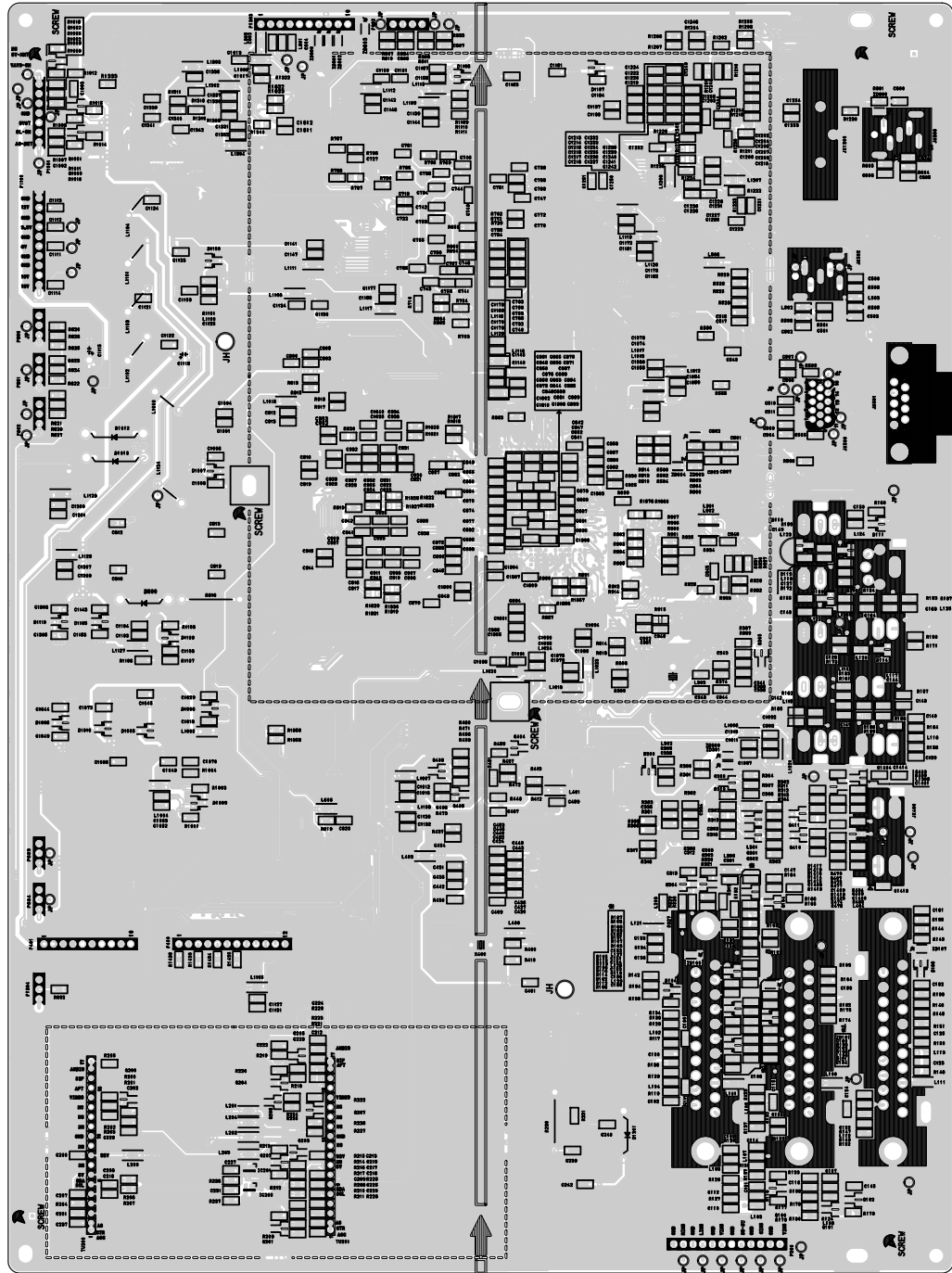


PRINTED CIRCUIT BOARD

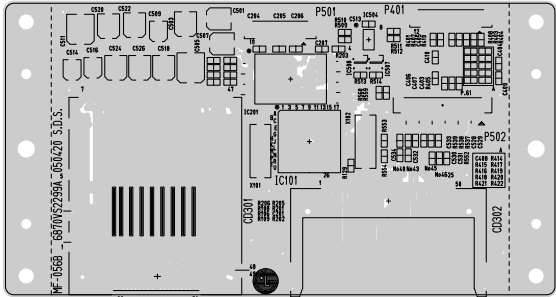
MAIN (TOP)



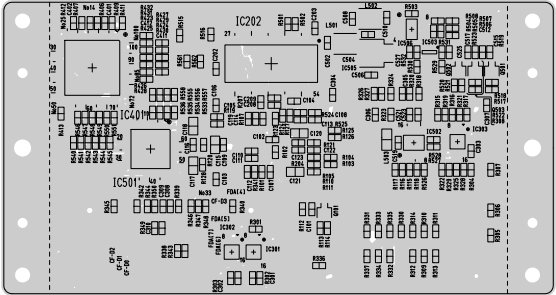
MAIN (BOTTOM)



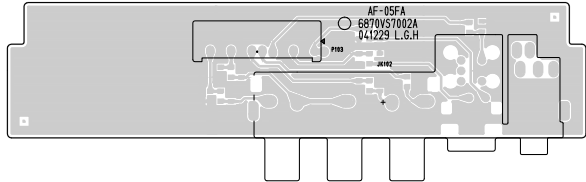
EPF (TOP)



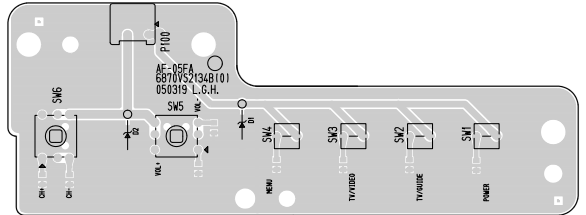
EPF (BOTTOM)



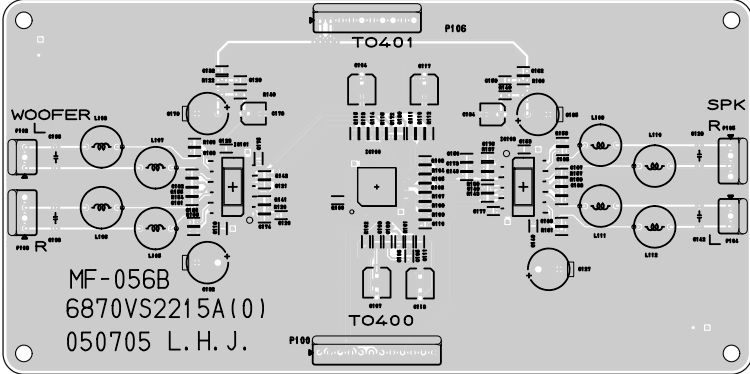
SIDE A/V



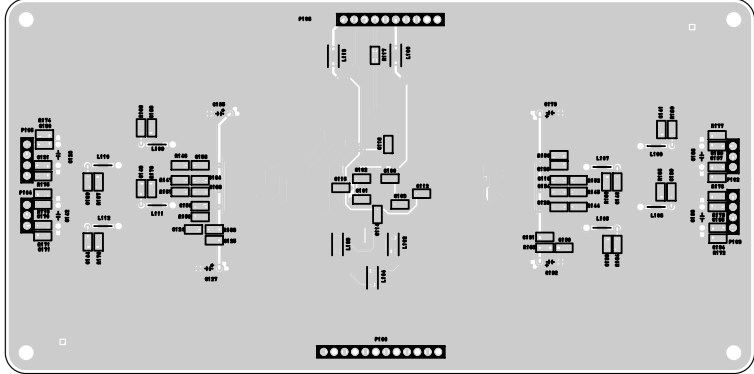
CONTROL



SPEAKER(TOP)



SPEAKER(BOTTOM)





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